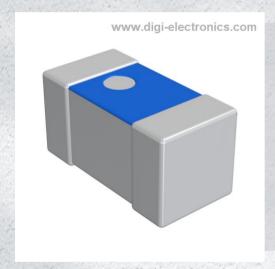


# LQP02HQ2N5B02L Datasheet



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DiGi Electronics Part Number LQP02HQ2N5B02L-DG

Manufacturer Murata Electronics

Manufacturer Product Number LQP02HQ2N5B02L

Description FIXED IND 2.5NH 450MA 200MOHM SM

Detailed Description 2.5 nH Unshielded Thick Film Inductor 450 mA 200m

Ohm Max 01005 (0402 Metric)



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RFQ Email: Info@DiGi-Electronics.com

DiGi is a global authorized distributor of electronic components.



## **Purchase and inquiry**

Manufacturer Product Number:	Manufacturer:
LQP02HQ2N5B02L	Murata Electronics
Series:	Product Status:
LQP02	Active
Туре:	Material - Core:
Thick Film	
Inductance:	Tolerance:
2.5 nH	±0.1nH
Current Rating (Amps):	Current - Saturation (Isat):
450 mA	
Shielding:	DC Resistance (DCR):
Unshielded	200mOhm Max
Q @ Freq:	Frequency - Self Resonant:
14 @ 500MHz	9.5GHz
Ratings:	Operating Temperature:
	-55°C ~ 125°C
Inductance Frequency - Test:	Features:
500 MHz	
Mounting Type:	Package / Case:
Surface Mount	01005 (0402 Metric)
Supplier Device Package:	Size / Dimension:
01005 (0402 Metric)	0.016" L x 0.008" W (0.40mm x 0.20mm)
Height - Seated (Max):	Base Product Number:
0.013" (0.32mm)	LQP02HQ

## **Environmental & Export classification**

8504.50.8000

RoHS Status:	Moisture Sensitivity Level (MSL):
ROHS3 Compliant	1 (Unlimited)
REACH Status:	ECCN:
REACH Unaffected	EAR99
HTSUS:	

## CHIP COIL (CHIP INDUCTOR) for Consumer equipment & Industrial equipment LQP02HQ == 02 REFERENCE SPECIFICATION

#### 1. Scope

This reference specification applies to chip coil (chip inductor) LQP02HQ 02 series.

#### 1.1 Specific applications:

- Power equipment: Products that can be used in power equipment such as renewable energy equipment, energy storage
  equipment and EV charging equipment and whose functions are not directly related to the protection of human life and
  property.
- Industrial equipment: Products that can be used in industrial equipment such as base stations, manufacturing equipment, industrial robotics equipment, and measurement equipment, and whose functions do not directly relate to the protection of human life and property.
- Medical equipment (GHTF Class C) \*Except for implant/surgery/auto injector: Products that can be used for medical
  equipment of Class C of the international classification class GHTF and whose malfunction is considered to pose a
  relatively high risk to the human body.
- Medical equipment (GHTF Class A and B): Products that can be used for medical equipment regulated by Class A and Class B of the international classification class GHTF and whose functions do not directly relate to the protection of human life and property.
- Consumer equipment: Products that can be used in consumer equipment such as home appliances, audio/visual equipment, communication equipment, information equipment, office equipment, and household robotics, and whose functions are not directly related to the protection of human life and property.

#### 1.2 Unsuitable application:

Applications listed in "Limitation of applications" in this reference specification.

#### 2. Part Numbering

(Ev )

Product Structure Dimension (L × W) and characteristic Category Inductance Tolerance Performance Specification Category Inductance Tolerance Specification Category Inductance Tolerance Specification Category Inductance Tolerance Specification Category Inductance Tolerance Specification Category Inductance Inductance Specification Category Inductance Inductance Specification Category Inductance Indu	L(	_x.) .Q	Р	02	Н	Q	0N2	W	0	2	L	
/plastic tape *B: bulk	Proc	duct	Structure	Dimension	and	Category			Performance		L: 4 mm width /plastic tape E: 8 mm width /plastic tape	

<sup>\*</sup>B: Bulk packing is also available (taping condition: however, products without reels are put in plastic bags).

#### 3. Part Number and Rating

•	
Operating temperature range	-55°C to +125°C
Storage temperature range	-55°C to +125°C

Customer Part number	Murata Part number	Ind	luctance	Q (Min.)	DC resistance (Ω max.)	Self-resonant frequency (GHz)		Rated current
		Nominal value (nH)	Tolerance			*Typical value	Lower limit	(mA)
	LQP02HQ0N2W02L	0.2	W: ±0.05 nH	ı	0.01	>20	17.0	1000
	LQP02HQ0N2W02E	0.2	W: ±0.05 nH	1	0.01	>20	17.0	1000
	LQP02HQ0N2B02L	0.2	B: ±0.1 nH	-	0.01	>20	17.0	1000
	LQP02HQ0N2B02E	0.2	B: ±0.1 nH	-	0.01	>20	17.0	1000
	LQP02HQ0N2C02L	0.2	C: ±0.2 nH	1	0.01	>20	17.0	1000
	LQP02HQ0N2C02E	0.2	C: ±0.2 nH	1	0.01	>20	17.0	1000
	LQP02HQ0N3W02L	0.3	W: ±0.05 nH	-	0.02	>20	17.0	1000
	LQP02HQ0N3W02E	0.3	W: ±0.05 nH	-	0.02	>20	17.0	1000
	LQP02HQ0N3B02L	0.3	B: ±0.1 nH	-	0.02	>20	17.0	1000
	LQP02HQ0N3B02E	0.3	B: ±0.1 nH	-	0.02	>20	17.0	1000
	LQP02HQ0N3C02L	0.3	C: ±0.2 nH	-	0.02	>20	17.0	1000
	LQP02HQ0N3C02E	0.3	C: ±0.2 nH	-	0.02	>20	17.0	1000

								F2/19
Customer	Murata	Inc	luctance	Q	DC		sonant ency Hz)	Rated
Part number	Part number	Nominal value (nH)	Tolerance	(Min.)	resistance (Ω max.)	*Typical value	Lower limit	current (mA)
	LQP02HQ0N4W02L	0.4	W: ±0.05 nH	14	0.03	>20	17.0	1000
	LQP02HQ0N4W02E	0.4	W: ±0.05 nH	14	0.03	>20	17.0	1000
	LQP02HQ0N4B02L	0.4	B: ±0.1 nH	14	0.03	>20	17.0	1000
	LQP02HQ0N4B02E	0.4	B: ±0.1 nH	14	0.03	>20	17.0	1000
	LQP02HQ0N4C02L	0.4	C: ±0.2 nH	14	0.03	>20	17.0	1000
	LQP02HQ0N4C02E	0.4	C: ±0.2 nH	14	0.03	>20	17.0	1000
	LQP02HQ0N5W02L	0.5	W: ±0.05 nH	14	0.04	>20	17.0	1000
	LQP02HQ0N5W02E	0.5	W: ±0.05 nH	14	0.04	>20	17.0	1000
	LQP02HQ0N5B02L	0.5	B: ±0.1 nH	14	0.04	>20	17.0	1000
	LQP02HQ0N5B02E	0.5	B: ±0.1 nH	14	0.04	>20	17.0	1000
	LQP02HQ0N5C02L	0.5	C: ±0.2 nH	14	0.04	>20	17.0	1000
	LQP02HQ0N5C02E	0.5	C: ±0.2 nH	14	0.04	>20	17.0	1000
	LQP02HQ0N6W02L	0.6	W: ±0.05 nH	14	0.05	>20	17.0	950
	LQP02HQ0N6W02E	0.6	W: ±0.05 nH	14	0.05	>20	17.0	950
	LQP02HQ0N6B02L	0.6	B: ±0.1 nH	14	0.05	>20	17.0	950
	LQP02HQ0N6B02E	0.6	B: ±0.1 nH	14	0.05	>20	17.0	950
	LQP02HQ0N6C02L	0.6	C: ±0.2 nH	14	0.05	>20	17.0	950
	LQP02HQ0N6C02E	0.6	C: ±0.2 nH	14	0.05	>20	17.0	950
	LQP02HQ0N7W02L	0.7	W: ±0.05 nH	14	0.05	19	15.5	900
	LQP02HQ0N7W02E	0.7	W: ±0.05 nH	14	0.05	19	15.5	900
	LQP02HQ0N7B02L	0.7	B: ±0.1 nH	14	0.05	19	15.5	900
	LQP02HQ0N7B02E	0.7	B: ±0.1 nH	14	0.05	19	15.5	900
	LQP02HQ0N7C02L	0.7	C: ±0.2 nH	14	0.05	19	15.5	900
	LQP02HQ0N7C02E	0.7	C: ±0.2 nH	14	0.05	19	15.5	900
	LQP02HQ0N8W02L	0.8	W: ±0.05 nH	14	0.05	19	15.5	900
	LQP02HQ0N8W02E	0.8	W: ±0.05 nH	14	0.05	19	15.5	900
	LQP02HQ0N8B02L	0.8	B: ±0.1 nH	14	0.05	19	15.5	900
	LQP02HQ0N8B02E	0.8	B: ±0.1 nH	14	0.05	19	15.5	900
	LQP02HQ0N8C02L	0.8	C: ±0.2 nH	14	0.05	19	15.5	900
	LQP02HQ0N8C02E	0.8	C: ±0.2 nH	14	0.05	19	15.5	900
	LQP02HQ0N9W02L	0.9	W: ±0.05 nH	14	0.05	19	14.6	900
	LQP02HQ0N9W02E	0.9	W: ±0.05 nH	14	0.05	19	14.6	900
	LQP02HQ0N9B02L	0.9	B: ±0.1 nH	14	0.05	19	14.6	900
	LQP02HQ0N9B02E	0.9	B: ±0.1 nH	14	0.05	19	14.6	900
	LQP02HQ0N9C02L	0.9	C: ±0.2 nH	14	0.05	19	14.6	900
	LQP02HQ0N9C02E	0.9	C: ±0.2 nH	14	0.05	19	14.6	900
	LQP02HQ1N0W02L	1.0	W: ±0.05 nH	14	0.05	18	13.2	900
	LQP02HQ1N0W02E	1.0	W: ±0.05 nH	14	0.05	18	13.2	900
	LQP02HQ1N0B02L	1.0	B: ±0.1 nH	14	0.05	18	13.2	900
	LQP02HQ1N0B02E	1.0	B: ±0.1 nH	14	0.05	18	13.2	900
	LQP02HQ1N0C02L	1.0	C: ±0.2 nH	14	0.05	18	13.2	900
	LQP02HQ1N0C02E	1.0	C: ±0.2 nH	14	0.05	18	13.2	900
	LQP02HQ1N1W02L	1.1	W: ±0.05 nH	14	0.06	16	12.8	850
	LQP02HQ1N1W02E	1.1	W: ±0.05 nH	14	0.06	16	12.8	850

Customer	Murata	Inductance		Q	DC resistance	Self-resonant frequency (GHz)		Rated current
Part number	Part number	Nominal value (nH)	Tolerance	(Min.)	(Ω max.)	*Typical value	Lower limit	(mA)
	LQP02HQ1N1B02L	1.1	B: ±0.1 nH	14	0.06	16	12.8	850
	LQP02HQ1N1B02E	1.1	B: ±0.1 nH	14	0.06	16	12.8	850
	LQP02HQ1N1C02L	1.1	C: ±0.2 nH	14	0.06	16	12.8	850
	LQP02HQ1N1C02E	1.1	C: ±0.2 nH	14	0.06	16	12.8	850
	LQP02HQ1N2W02L	1.2	W: ±0.05 nH	14	0.06	15	12.8	800
	LQP02HQ1N2W02E	1.2	W: ±0.05 nH	14	0.06	15	12.8	800
	LQP02HQ1N2B02L	1.2	B: ±0.1 nH	14	0.06	15	12.8	800
	LQP02HQ1N2B02E	1.2	B: ±0.1 nH	14	0.06	15	12.8	800
	LQP02HQ1N2C02L	1.2	C: ±0.2 nH	14	0.06	15	12.8	800
	LQP02HQ1N2C02E	1.2	C: ±0.2 nH	14	0.06	15	12.8	800
	LQP02HQ1N3W02L	1.3	W: ±0.05 nH	14	0.08	15	12.7	700
	LQP02HQ1N3W02E	1.3	W: ±0.05 nH	14	0.08	15	12.7	700
	LQP02HQ1N3B02L	1.3	B: ±0.1 nH	14	0.08	15	12.7	700
	LQP02HQ1N3B02E	1.3	B: ±0.1 nH	14	0.08	15	12.7	700
	LQP02HQ1N3C02L	1.3	C: ±0.2 nH	14	0.08	15	12.7	700
	LQP02HQ1N3C02E	1.3	C: ±0.2 nH	14	0.08	15	12.7	700
	LQP02HQ1N4W02L	1.4	W: ±0.05 nH	14	0.08	14.5	12.7	700
	LQP02HQ1N4W02E	1.4	W: ±0.05 nH	14	0.08	14.5	12.7	700
	LQP02HQ1N4B02L	1.4	B: ±0.1 nH	14	0.08	14.5	12.7	700
	LQP02HQ1N4B02E	1.4	B: ±0.1 nH	14	0.08	14.5	12.7	700
	LQP02HQ1N4C02L	1.4	C: ±0.2 nH	14	0.08	14.5	12.7	700
	LQP02HQ1N4C02E	1.4	C: ±0.2 nH	14	0.08	14.5	12.7	700
	LQP02HQ1N5W02L	1.5	W: ±0.05 nH	14	0.08	14	12.7	700
	LQP02HQ1N5W02E	1.5	W: ±0.05 nH	14	0.08	14	12.7	700
	LQP02HQ1N5B02L	1.5	B: ±0.1 nH	14	0.08	14	12.7	700
	LQP02HQ1N5B02E	1.5	B: ±0.1 nH	14	0.08	14	12.7	700
	LQP02HQ1N5C02L	1.5	C: ±0.2 nH	14	0.08	14	12.7	700
	LQP02HQ1N5C02E	1.5	C: ±0.2 nH	14	0.08	14	12.7	700
	LQP02HQ1N6W02L	1.6	W: ±0.05 nH	14	0.08	14	10.7	700
	LQP02HQ1N6W02E	1.6	W: ±0.05 nH	14	0.08	14	10.7	700
	LQP02HQ1N6B02L	1.6	B: ±0.1 nH	14	0.08	14	10.7	700
	LQP02HQ1N6B02E	1.6	B: ±0.1 nH	14	0.08	14	10.7	700
	LQP02HQ1N6C02L	1.6	C: ±0.2 nH	14	0.08	14	10.7	700
	LQP02HQ1N6C02E	1.6	C: ±0.2 nH	14	0.08	14	10.7	700
	LQP02HQ1N7W02L	1.7	W: ±0.05 nH	14	0.08	14	10.7	700
	LQP02HQ1N7W02E	1.7	W: ±0.05 nH	14	0.08	14	10.7	700
	LQP02HQ1N7B02L	1.7	B: ±0.1 nH	14	0.08	14	10.7	700
	LQP02HQ1N7B02E	1.7	B: ±0.1 nH	14	0.08	14	10.7	700
	LQP02HQ1N7C02L	1.7	C: ±0.2 nH	14	0.08	14	10.7	700
	LQP02HQ1N7C02E	1.7	C: ±0.2 nH	14	0.08	14	10.7	700
	LQP02HQ1N8W02L	1.8	W: ±0.05 nH	14	0.08	13.5	10.2	700
	LQP02HQ1N8W02E	1.8	W: ±0.05 nH	14	0.08	13.5	10.2	700
	LQP02HQ1N8B02L	1.8	B: ±0.1 nH	14	0.08	13.5	10.2	700
	LQP02HQ1N8B02E	1.8	B: ±0.1 nH	14	0.08	13.5	10.2	700

Part number Nominal value Tolerance (m(ht))	NO JELF243C_0023F	<u> </u>							P4/19
Part number   Nominal value (nH)   Tolerance (nH)   To	Customer	Murata	Inc	luctance	O		frequ	ency	Rated
LQP02HQ1N8C02E	Part number	Part number	value	Tolerance		(Ω max.)			current (mA)
LQPO2HQ1N9W02L 1.9 W: ±0.05 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9W02E 1.9 W: ±0.05 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9B02L 1.9 B: ±0.1 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9B02L 1.9 B: ±0.1 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9C02L 1.9 C: ±0.2 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9C02L 1.9 C: ±0.2 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9C02L 1.9 C: ±0.2 nH 14 0.08 12.5 10.2 1 LQP02HQ2N0W02L 2.0 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0W02L 2.0 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0W02E 2.0 B: ±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0W02E 2.0 B: ±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02E 2.0 B: ±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0C02E 2.0 C: ±0.2 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0C02E 2.0 C: ±0.2 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0C02E 2.0 C: ±0.2 nH 14 0.1 11.5 10.1 1 LQP02HQ2NW0C02E 2.1 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2NW0C02E 2.1 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2NW0C2E 2.1 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2NW0C2E 2.1 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2NW0C2E 2.1 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2NW0C2E 2.1 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2NW0C2E 2.1 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2NW0C2E 2.1 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2NW0C2E 2.1 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2NW0C2E 2.1 B: ±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2NCW0C2E 2.1 B: ±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2NCW0C2E 2.1 B: ±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2NCW0C2E 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 1 LQP02HQ2NC0C2E 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 1 LQP02HQ2NC0C2E 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 1 LQP02HQ2NC0C2E 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 1 LQP02HQ2NC0C2E 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 1 LQP02HQ2NC0C2E 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 1 LQP02HQ2NC0C2E 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 1 LQP02HQ2NC0C2E 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 1 LQP02HQ2NSW0C2E 2.2 W: ±0.05 nH 14 0.2 11.9 9.8 1 LQP02HQ2NSW0C2E 2.2 W: ±0.05 nH 14 0.2 11.9 9.8 1 LQP02HQ2NSW0C2E 2.2 W: ±0.05 nH 14 0.2 11.9 9.8 1 LQP02HQ2NSW0C2E 2.2 W: ±0.05 nH 14 0.2 11 9.8 1 LQP02HQ2NSW0C2E 2.3 W: ±0.05 nH 14 0.2 11 9.8 1 LQP02HQ2NSW0C2E 2.4 W: ±0.05 nH 14 0.2 11 9.5 4 LQP02HQ2NSW		LQP02HQ1N8C02L	1.8	C: ±0.2 nH	14	0.08	13.5	10.2	700
LQP02HQ1N9W02E 1.9 W:±0.05 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9B02E 1.9 B:±0.1 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9B02E 1.9 B:±0.1 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9B02E 1.9 C:±0.2 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9C02E 1.9 C:±0.2 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9C02E 1.9 C:±0.2 nH 14 0.08 12.5 10.2 1 LQP02HQ2NW02L 2.0 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2NW02E 2.0 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02E 2.0 B:±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02E 2.0 B:±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02E 2.0 B:±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02E 2.0 C:±0.2 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02E 2.0 C:±0.2 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1W02E 2.1 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1W02E 2.1 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1W02E 2.1 W:±0.05 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1W02E 2.1 W:±0.05 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1W02E 2.1 B:±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1W02E 2.1 B:±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1B02L 2.1 B:±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1B02E 2.1 B:±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1B02E 2.1 C:±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1C02E 2.1 C:±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1C02E 2.1 C:±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N2W02E 2.1 W:±0.05 nH 14 0.1 11.5 10.1 6 LQP02HQ2N2W02E 2.2 W:±0.05 nH 14 0.2 11.5 9.8 16 LQP02HQ2N2W02E 2.2 W:±0.05 nH 14 0.2 11.5 9.8 16 LQP02HQ2N2W02E 2.2 W:±0.05 nH 14 0.2 11.5 9.8 16 LQP02HQ2N2W02E 2.2 W:±0.05 nH 14 0.2 11.5 9.8 16 LQP02HQ2N2W02E 2.2 W:±0.05 nH 14 0.2 11.5 9.8 16 LQP02HQ2N2W02E 2.2 W:±0.05 nH 14 0.2 11.5 9.8 16 LQP02HQ2N3W02L 2.3 W:±0.05 nH 14 0.2 11.5 9.8 16 LQP02HQ2N3W02L 2.3 W:±0.05 nH 14 0.2 11.5 9.8 16 LQP02HQ2N3W02L 2.3 W:±0.05 nH 14 0.2 11.5 9.8 16 LQP02HQ2N3W02L 2.3 B:±0.1 nH 14 0.2 11.5 9.8 16 LQP02HQ2N3W02E 2.2 C:±0.2 nH 14 0.2 11.5 9.8 16 LQP02HQ2N3W02E 2.3 B:±0.1 nH 14 0.2 11 9.8 16 LQP02HQ2N3W02E 2.3 B:±0.1 nH 14 0.2 11 9.8 16 LQP02HQ2N3W02E 2.4 W:±0.05 nH 14 0.2 11 9.8 16 LQP02HQ2N3W02E 2.4 W:±0.05 nH 14 0.2 11 9.5 14 LQP02HQ2N3W02E 2.4 W:±0.05 nH 14 0.2 11 9.5 14 LQP02HQ2N3W02E 2.4 W:±0.05 nH 14 0.2 11 9.5 14 LQP02HQ2N3W02E 2		LQP02HQ1N8C02E	1.8	C: ±0.2 nH	14	0.08	13.5	10.2	700
LQP02HQ1N9B02L 1.9 B:±0.1 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9B02E 1.9 B:±0.1 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9B02E 1.9 C:±0.2 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9C02E 1.9 C:±0.2 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9C02E 1.9 C:±0.2 nH 14 0.08 12.5 10.2 1 LQP02HQ2N0W02L 2.0 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0W02E 2.0 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02L 2.0 B:±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02L 2.0 B:±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02E 2.0 B:±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0C02L 2.0 C:±0.2 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0C02L 2.0 C:±0.2 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0C02E 2.0 C:±0.2 nH 14 0.1 11.5 10.1 1 LQP02HQ2NW02L 2.1 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2NW02L 2.1 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2NW02E 2.1 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1W02E 2.1 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1W02E 2.1 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1W02E 2.1 B:±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1B02L 2.1 B:±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1B02E 2.1 B:±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1C02L 2.1 C:±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1C02L 2.1 C:±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1C02L 2.1 C:±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N2W02L 2.2 W:±0.05 nH 14 0.1 11.5 9.8 1 LQP02HQ2N2W02E 2.2 W:±0.05 nH 14 0.2 11.5 9.8 1 LQP02HQ2N2W02E 2.2 W:±0.05 nH 14 0.2 11.5 9.8 1 LQP02HQ2N2W02E 2.2 W:±0.05 nH 14 0.2 11.5 9.8 1 LQP02HQ2N2W02E 2.2 W:±0.05 nH 14 0.2 11.5 9.8 1 LQP02HQ2N2W02E 2.2 W:±0.05 nH 14 0.2 11.5 9.8 1 LQP02HQ2N2W02E 2.2 C:±0.2 nH 14 0.2 11.5 9.8 1 LQP02HQ2N2W02E 2.2 C:±0.2 nH 14 0.2 11.5 9.8 1 LQP02HQ2N2W02E 2.2 C:±0.2 nH 14 0.2 11.5 9.8 1 LQP02HQ2N2W02E 2.2 C:±0.2 nH 14 0.2 11.5 9.8 1 LQP02HQ2N2W02E 2.2 C:±0.2 nH 14 0.2 11.5 9.8 1 LQP02HQ2N2W02E 2.3 W:±0.05 nH 14 0.2 11 9.8 4 1 LQP02HQ2N3W02E 2.3 W:±0.05 nH 14 0.2 11 9.8 4 1 LQP02HQ2N3W02E 2.3 W:±0.05 nH 14 0.2 11 9.8 4 1 LQP02HQ2N3W02E 2.3 W:±0.05 nH 14 0.2 11 9.5 4 1 LQP02HQ2N3W02E 2.4 W:±0.05 nH 14 0.2 11 9.5 4 1 LQP02HQ2N3W02E 2.4 W:±0.05 nH 14 0.2 11 9.5 4 1 LQP02HQ2N3W02E 2.4 W:±0.05 nH 14 0.2 11 9.5 4 1 LQP02HQ2N3W02E 2.4 W:±0.0		LQP02HQ1N9W02L	1.9	W: ±0.05 nH	14	0.08	12.5	10.2	700
LQP02HQ1N9B02E 1.9 B:±0.1 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9C02L 1.9 C:±0.2 nH 14 0.08 12.5 10.2 1 LQP02HQ1N9C02E 1.9 C:±0.2 nH 14 0.08 12.5 10.2 1 LQP02HQ2N0W02L 2.0 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0W02E 2.0 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02L 2.0 B:±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02L 2.0 B:±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02E 2.0 B:±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0C02L 2.0 C:±0.2 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0C02L 2.0 C:±0.2 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1W02L 2.1 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1W02L 2.1 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1W02E 2.1 W:±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1W02E 2.1 B:±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1B02L 2.1 B:±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1B02L 2.1 B:±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1B02E 2.1 B:±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1B02E 2.1 B:±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1C02L 2.1 C:±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1C02L 2.1 C:±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1C02L 2.1 C:±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1C02L 2.1 C:±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1C02L 2.1 C:±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N2W02L 2.2 W:±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02E 2.2 W:±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02E 2.2 W:±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02E 2.2 W:±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02E 2.2 C:±0.2 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02E 2.2 C:±0.2 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02E 2.2 C:±0.2 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02E 2.2 C:±0.2 nH 14 0.2 11.5 9.8 5 LQP02HQ2N3W02E 2.3 W:±0.05 nH 14 0.2 11 9.8 4 LQP02HQ2N3W02E 2.3 W:±0.05 nH 14 0.2 11 9.8 4 LQP02HQ2N3W02E 2.3 W:±0.05 nH 14 0.2 11 9.8 4 LQP02HQ2N3W02E 2.3 W:±0.05 nH 14 0.2 11 9.8 4 LQP02HQ2N3W02E 2.3 W:±0.05 nH 14 0.2 11 9.8 4 LQP02HQ2N3W02E 2.3 W:±0.05 nH 14 0.2 11 9.8 4 LQP02HQ2N3W02E 2.3 W:±0.05 nH 14 0.2 11 9.8 4 LQP02HQ2N3W02E 2.3 W:±0.05 nH 14 0.2 11 9.8 4 LQP02HQ2N3W02E 2.4 W:±0.05 nH 14 0.2 11 9.5 4 LQP02HQ2N3W02E 2.4 W:±0.05 nH 14 0.2 11 9.5 4 LQP02HQ2N3W02E 2.4 W:±0.05 nH 14 0.2 11 9.5 4 LQP02HQ2N3W02E 2.4 W:±0.05 nH 14 0.2 11 9.5 4 L		LQP02HQ1N9W02E	1.9	W: ±0.05 nH	14	0.08	12.5	10.2	700
LQP02HQIN9C02L 1.9 C: ±0.2 nH 14 0.08 12.5 10.2 1 LQP02HQIN9C02E 1.9 C: ±0.2 nH 14 0.08 12.5 10.2 1 LQP02HQ2N0W02L 2.0 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0W02E 2.0 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02L 2.0 B: ±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02E 2.0 B: ±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0B02E 2.0 B: ±0.1 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0C02L 2.0 C: ±0.2 nH 14 0.1 11.5 10.1 1 LQP02HQ2N0C02L 2.0 C: ±0.2 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1W02L 2.1 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1W02L 2.1 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1W02L 2.1 W: ±0.05 nH 14 0.1 11.5 10.1 1 LQP02HQ2N1W02L 2.1 B: ±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1B02L 2.1 B: ±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1B02L 2.1 B: ±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1B02L 2.1 B: ±0.1 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1B02E 2.1 C: ±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1B02E 2.1 C: ±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1C02L 2.1 C: ±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N1C02L 2.1 C: ±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N2W02L 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02L 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02L 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02L 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02L 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02L 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02L 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02E 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02L 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02L 2.3 W: ±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N3W02L 2.3 W: ±0.05 nH 14 0.2 11.9 9.8 6 LQP02HQ2N3W02L 2.3 W: ±0.05 nH 14 0.2 11 9.8 6 LQP02HQ2N3W02L 2.3 W: ±0.05 nH 14 0.2 11 9.8 6 LQP02HQ2N3W02L 2.3 W: ±0.05 nH 14 0.2 11 9.8 6 LQP02HQ2N3W02L 2.3 W: ±0.05 nH 14 0.2 11 9.8 6 LQP02HQ2N3W02L 2.3 W: ±0.05 nH 14 0.2 11 9.8 6 LQP02HQ2N3W02L 2.4 W: ±0.05 nH 14 0.2 11 9.5 6 LQP02HQ2N3W02L 2.4 W: ±0.05 nH 14 0.2 11 9.5 6 LQP02HQ2N3W02L 2.4 W: ±0.05 nH 14 0.2 11 9.5 6 LQP02HQ2N3W02L 2.4 W: ±0.05 nH 14 0.2 11 9.5 6 LQP02HQ2N3W02L 2.4 W: ±0.05 nH 14 0.2 11 9.5 6 LQP02HQ2N3W02L 2.5 W: ±0.05 nH 14 0.2 11 9.5 6 LQ		LQP02HQ1N9B02L	1.9	B: ±0.1 nH	14	0.08	12.5	10.2	700
LQP02HQ1N9C02E         1.9         C: ±0.2 nH         14         0.08         12.5         10.2         1           LQP02HQ2N0W02L         2.0         W: ±0.05 nH         14         0.1         11.5         10.1         1           LQP02HQ2N0W02E         2.0         W: ±0.05 nH         14         0.1         11.5         10.1         1           LQP02HQ2N0B02E         2.0         B: ±0.1 nH         14         0.1         11.5         10.1         1           LQP02HQ2N0C02E         2.0         C: ±0.2 nH         14         0.1         11.5         10.1         1           LQP02HQ2N0C02E         2.0         C: ±0.2 nH         14         0.1         11.5         10.1         1           LQP02HQ2N1W02L         2.1         W: ±0.05 nH         14         0.1         11.5         10.1         1           LQP02HQ2N1W02L         2.1         W: ±0.05 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1W02E         2.1         B: ±0.1 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1B02E         2.1         B: ±0.1 nH         14         0.1         11.5         10.1         6 <td></td> <td>LQP02HQ1N9B02E</td> <td>1.9</td> <td>B: ±0.1 nH</td> <td>14</td> <td>0.08</td> <td>12.5</td> <td>10.2</td> <td>700</td>		LQP02HQ1N9B02E	1.9	B: ±0.1 nH	14	0.08	12.5	10.2	700
LQP02HQ2N0W02L         2.0         W: ±0.05 nH         14         0.1         11.5         10.1         1           LQP02HQ2N0W02E         2.0         W: ±0.05 nH         14         0.1         11.5         10.1         1           LQP02HQ2N0B02E         2.0         B: ±0.1 nH         14         0.1         11.5         10.1         1           LQP02HQ2N0C02L         2.0         C: ±0.2 nH         14         0.1         11.5         10.1         1           LQP02HQ2N0C02E         2.0         C: ±0.2 nH         14         0.1         11.5         10.1         1           LQP02HQ2N1W02L         2.1         W: ±0.05 nH         14         0.1         11.5         10.1         1           LQP02HQ2N1W02E         2.1         W: ±0.05 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1W02E         2.1         W: ±0.05 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1W02E         2.1         B: ±0.1 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1C02E         2.1         C: ±0.2 nH         14         0.1         11.5         9.8         5		LQP02HQ1N9C02L	1.9	C: ±0.2 nH	14	0.08	12.5	10.2	700
LQP02HQ2N0W02E         2.0         W: ±0.05 nH         14         0.1         11.5         10.1         1           LQP02HQ2N0B02L         2.0         B: ±0.1 nH         14         0.1         11.5         10.1         1           LQP02HQ2N0C02E         2.0         B: ±0.1 nH         14         0.1         11.5         10.1         1           LQP02HQ2N0C02E         2.0         C: ±0.2 nH         14         0.1         11.5         10.1         1           LQP02HQ2N1W02L         2.1         W: ±0.05 nH         14         0.1         11.5         10.1         1           LQP02HQ2N1W02E         2.1         W: ±0.05 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1W02E         2.1         W: ±0.05 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1W02E         2.1         B: ±0.1 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1B02E         2.1         C: ±0.2 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1C02E         2.1         C: ±0.2 nH         14         0.1         11.5         9.8         5		LQP02HQ1N9C02E	1.9	C: ±0.2 nH	14	0.08	12.5	10.2	700
LQP02HQ2N0B02L         2.0         B:±0.1 nH         14         0.1         11.5         10.1         1           LQP02HQ2N0B02E         2.0         B:±0.1 nH         14         0.1         11.5         10.1         1           LQP02HQ2N0C02L         2.0         C:±0.2 nH         14         0.1         11.5         10.1         1           LQP02HQ2N1W02L         2.0         C:±0.2 nH         14         0.1         11.5         10.1         1           LQP02HQ2N1W02E         2.1         W:±0.05 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1B02L         2.1         B:±0.1 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1B02L         2.1         B:±0.1 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1B02E         2.1         C:±0.2 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1C02L         2.1         C:±0.2 nH         14         0.1         11.5         10.1         6           LQP02HQ2N2W02E         2.2         W:±0.05 nH         14         0.2         11.5         9.8         5		LQP02HQ2N0W02L	2.0	W: ±0.05 nH	14	0.1	11.5	10.1	700
LQP02HQ2N0B02E         2.0         B: ±0.1 nH         14         0.1         11.5         10.1         1           LQP02HQ2N0C02L         2.0         C: ±0.2 nH         14         0.1         11.5         10.1         1           LQP02HQ2N1W02L         2.0         C: ±0.2 nH         14         0.1         11.5         10.1         3           LQP02HQ2N1W02E         2.1         W: ±0.05 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1W02E         2.1         W: ±0.05 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1B02L         2.1         B: ±0.1 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1B02L         2.1         C: ±0.2 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1C02L         2.1         C: ±0.2 nH         14         0.1         11.5         10.1         6           LQP02HQ2N2C02L         2.2         W: ±0.05 nH         14         0.2         11.5         9.8         5           LQP02HQ2N2W02E         2.2         W: ±0.05 nH         14         0.2         11.5         9.8         5		LQP02HQ2N0W02E	2.0	W: ±0.05 nH	14	0.1	11.5	10.1	700
LQP02HQ2N0C02L       2.0       C: ±0.2 nH       14       0.1       11.5       10.1       1         LQP02HQ2N0C02E       2.0       C: ±0.2 nH       14       0.1       11.5       10.1       3         LQP02HQ2N1W02L       2.1       W: ±0.05 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1B02E       2.1       W: ±0.05 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1B02E       2.1       B: ±0.1 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1B02E       2.1       B: ±0.1 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1C02L       2.1       C: ±0.2 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1C02E       2.1       C: ±0.2 nH       14       0.1       11.5       10.1       6         LQP02HQ2N2W02E       2.2       W: ±0.05 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2W02E       2.2       W: ±0.05 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2B02E       2.2       B: ±0.1 nH       14       0.2       11.5		LQP02HQ2N0B02L	2.0	B: ±0.1 nH	14	0.1	11.5	10.1	700
LQP02HQ2N0C02E       2.0       C: ±0.2 nH       14       0.1       11.5       10.1       3         LQP02HQ2N1W02L       2.1       W: ±0.05 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1W02E       2.1       W: ±0.05 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1B02L       2.1       B: ±0.1 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1C02L       2.1       C: ±0.2 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1C02L       2.1       C: ±0.2 nH       14       0.1       11.5       10.1       6         LQP02HQ2N2W02L       2.1       C: ±0.2 nH       14       0.1       11.5       10.1       6         LQP02HQ2N2W02L       2.2       W: ±0.05 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2W02E       2.2       W: ±0.05 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2W02E       2.2       B: ±0.1 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2C02L       2.2       B: ±0.1 nH       14       0.2       11.5       9		LQP02HQ2N0B02E	2.0	B: ±0.1 nH	14	0.1	11.5	10.1	700
LQP02HQ2N1W02L         2.1         W: ±0.05 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1W02E         2.1         W: ±0.05 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1B02E         2.1         B: ±0.1 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1B02E         2.1         B: ±0.1 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1C02L         2.1         C: ±0.2 nH         14         0.1         11.5         10.1         6           LQP02HQ2N1C02L         2.1         C: ±0.2 nH         14         0.1         11.5         10.1         6           LQP02HQ2N2W02L         2.2         W: ±0.05 nH         14         0.2         11.5         9.8         5           LQP02HQ2N2W02E         2.2         W: ±0.05 nH         14         0.2         11.5         9.8         5           LQP02HQ2N2W02E         2.2         W: ±0.05 nH         14         0.2         11.5         9.8         5           LQP02HQ2N2B02E         2.2         B: ±0.1 nH         14         0.2         11.5         9.8         5		LQP02HQ2N0C02L	2.0	C: ±0.2 nH	14	0.1	11.5	10.1	700
LQP02HQ2N1W02E       2.1       W: ±0.05 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1B02L       2.1       B: ±0.1 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1B02E       2.1       B: ±0.1 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1C02L       2.1       C: ±0.2 nH       14       0.1       11.5       10.1       6         LQP02HQ2N2W02L       2.2       W: ±0.05 nH       14       0.1       11.5       10.1       6         LQP02HQ2N2W02E       2.2       W: ±0.05 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2W02E       2.2       W: ±0.05 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2B02L       2.2       B: ±0.1 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2B02L       2.2       C: ±0.2 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2B02L       2.2       C: ±0.2 nH       14       0.2       11.5       9.8       5         LQP02HQ2N3W02L       2.3       W: ±0.05 nH       14       0.2       11.5       9.		LQP02HQ2N0C02E	2.0	C: ±0.2 nH	14	0.1	11.5	10.1	700
LQP02HQ2N1B02L       2.1       B:±0.1 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1B02E       2.1       B:±0.1 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1C02L       2.1       C:±0.2 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1C02E       2.1       C:±0.2 nH       14       0.1       11.5       10.1       6         LQP02HQ2N2W02L       2.2       W:±0.05 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2W02E       2.2       W:±0.05 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2W02E       2.2       W:±0.05 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2B02E       2.2       B:±0.1 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2C02E       2.2       C:±0.2 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2C02E       2.2       C:±0.2 nH       14       0.2       11.5       9.8       5         LQP02HQ2N3W02L       2.3       W:±0.05 nH       14       0.2       11       9.8 <t< td=""><td></td><td>LQP02HQ2N1W02L</td><td>2.1</td><td>W: ±0.05 nH</td><td>14</td><td>0.1</td><td>11.5</td><td>10.1</td><td>650</td></t<>		LQP02HQ2N1W02L	2.1	W: ±0.05 nH	14	0.1	11.5	10.1	650
LQP02HQ2N1B02E       2.1       B:±0.1 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1C02L       2.1       C:±0.2 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1C02E       2.1       C:±0.2 nH       14       0.1       11.5       10.1       6         LQP02HQ2N2W02L       2.2       W:±0.05 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2W02E       2.2       W:±0.05 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2W02E       2.2       B:±0.1 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2B02L       2.2       B:±0.1 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2B02E       2.2       C:±0.2 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2C02L       2.2       C:±0.2 nH       14       0.2       11.5       9.8       5         LQP02HQ2N3W02L       2.3       W:±0.05 nH       14       0.2       11       9.8       4         LQP02HQ2N3W02E       2.3       W:±0.05 nH       14       0.2       11       9.8       4<		LQP02HQ2N1W02E	2.1	W: ±0.05 nH	14	0.1	11.5	10.1	650
LQP02HQ2N1C02L       2.1       C: ±0.2 nH       14       0.1       11.5       10.1       6         LQP02HQ2N1C02E       2.1       C: ±0.2 nH       14       0.1       11.5       10.1       6         LQP02HQ2N2W02L       2.2       W: ±0.05 nH       14       0.2       11.5       9.8       3         LQP02HQ2N2W02E       2.2       W: ±0.05 nH       14       0.2       11.5       9.8       3         LQP02HQ2N2B02L       2.2       B: ±0.1 nH       14       0.2       11.5       9.8       3         LQP02HQ2N2B02E       2.2       B: ±0.1 nH       14       0.2       11.5       9.8       3         LQP02HQ2N2C02L       2.2       C: ±0.2 nH       14       0.2       11.5       9.8       3         LQP02HQ2N2C02E       2.2       C: ±0.2 nH       14       0.2       11.5       9.8       3         LQP02HQ2N3W02L       2.3       W: ±0.05 nH       14       0.2       11       9.8       4         LQP02HQ2N3W02E       2.3       W: ±0.05 nH       14       0.2       11       9.8       4         LQP02HQ2N3B02D       2.3       B: ±0.1 nH       14       0.2       11       9.8		LQP02HQ2N1B02L	2.1	B: ±0.1 nH	14	0.1	11.5	10.1	650
LQP02HQ2N1C02E 2.1 C: ±0.2 nH 14 0.1 11.5 10.1 6 LQP02HQ2N2W02L 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2W02E 2.2 W: ±0.05 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2B02L 2.2 B: ±0.1 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2B02E 2.2 B: ±0.1 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2C02L 2.2 B: ±0.1 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2C02L 2.2 C: ±0.2 nH 14 0.2 11.5 9.8 5 LQP02HQ2N2C02E 2.2 C: ±0.2 nH 14 0.2 11.5 9.8 5 LQP02HQ2N3W02L 2.3 W: ±0.05 nH 14 0.2 11 9.8 6 LQP02HQ2N3W02E 2.3 W: ±0.05 nH 14 0.2 11 9.8 6 LQP02HQ2N3W02E 2.3 B: ±0.1 nH 14 0.2 11 9.8 6 LQP02HQ2N3B02L 2.3 B: ±0.1 nH 14 0.2 11 9.8 6 LQP02HQ2N3B02E 2.3 B: ±0.1 nH 14 0.2 11 9.8 6 LQP02HQ2N3C02L 2.3 C: ±0.2 nH 14 0.2 11 9.8 6 LQP02HQ2N3C02L 2.3 C: ±0.2 nH 14 0.2 11 9.8 6 LQP02HQ2N3C02L 2.3 C: ±0.2 nH 14 0.2 11 9.8 6 LQP02HQ2N3C02E 2.3 C: ±0.2 nH 14 0.2 11 9.8 6 LQP02HQ2N4W02L 2.4 W: ±0.05 nH 14 0.2 11 9.5 6 LQP02HQ2N4W02E 2.4 W: ±0.05 nH 14 0.2 11 9.5 6 LQP02HQ2N4W02E 2.4 W: ±0.05 nH 14 0.2 11 9.5 6 LQP02HQ2N4W02E 2.4 B: ±0.1 nH 14 0.2 11 9.5 6 LQP02HQ2N4B02L 2.4 B: ±0.1 nH 14 0.2 11 9.5 6 LQP02HQ2N4B02L 2.4 B: ±0.1 nH 14 0.2 11 9.5 6 LQP02HQ2N4C02L 2.4 C: ±0.2 nH 14 0.2 11 9.5 6 LQP02HQ2N4C02L 2.4 C: ±0.2 nH 14 0.2 11 9.5 6 LQP02HQ2N4C02L 2.4 C: ±0.2 nH 14 0.2 11 9.5 6 LQP02HQ2N4C02L 2.4 C: ±0.2 nH 14 0.2 11 9.5 6 LQP02HQ2N5W02L 2.5 W: ±0.05 nH 14 0.2 11 9.5 6 LQP02HQ2N5W02L 2.5 W: ±0.05 nH 14 0.2 11 9.5 6 LQP02HQ2N5W02L 2.5 W: ±0.05 nH 14 0.2 11 9.5 6 LQP02HQ2N5W02L 2.5 W: ±0.05 nH 14 0.2 11 9.5 6 LQP02HQ2N5W02L 2.5 W: ±0.05 nH 14 0.2 11 9.5 6		LQP02HQ2N1B02E	2.1	B: ±0.1 nH	14	0.1	11.5	10.1	650
LQP02HQ2N2W02L         2.2         W: ±0.05 nH         14         0.2         11.5         9.8         8           LQP02HQ2N2W02E         2.2         W: ±0.05 nH         14         0.2         11.5         9.8         8           LQP02HQ2N2B02L         2.2         B: ±0.1 nH         14         0.2         11.5         9.8         8           LQP02HQ2N2B02E         2.2         B: ±0.1 nH         14         0.2         11.5         9.8         8           LQP02HQ2N2C02L         2.2         C: ±0.2 nH         14         0.2         11.5         9.8         8           LQP02HQ2N2C02E         2.2         C: ±0.2 nH         14         0.2         11.5         9.8         8           LQP02HQ2N3W02L         2.3         W: ±0.05 nH         14         0.2         11         9.8         4           LQP02HQ2N3W02E         2.3         W: ±0.05 nH         14         0.2         11         9.8         4           LQP02HQ2N3B02L         2.3         B: ±0.1 nH         14         0.2         11         9.8         4           LQP02HQ2N3B02E         2.3         C: ±0.2 nH         14         0.2         11         9.8         4           <		LQP02HQ2N1C02L	2.1	C: ±0.2 nH	14	0.1	11.5	10.1	650
LQP02HQ2N2W02E       2.2       W: ±0.05 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2B02L       2.2       B: ±0.1 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2B02E       2.2       B: ±0.1 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2C02E       2.2       C: ±0.2 nH       14       0.2       11.5       9.8       5         LQP02HQ2N3W02L       2.3       W: ±0.05 nH       14       0.2       11.5       9.8       5         LQP02HQ2N3W02E       2.3       W: ±0.05 nH       14       0.2       11       9.8       4         LQP02HQ2N3W02E       2.3       W: ±0.05 nH       14       0.2       11       9.8       4         LQP02HQ2N3B02L       2.3       B: ±0.1 nH       14       0.2       11       9.8       4         LQP02HQ2N3B02E       2.3       B: ±0.1 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02L       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02L       2.3       C: ±0.2 nH       14       0.2       11       9.5       4		LQP02HQ2N1C02E	2.1	C: ±0.2 nH	14	0.1	11.5	10.1	650
LQP02HQ2N2B02L 2.2 B: ±0.1 nH 14 0.2 11.5 9.8 5.   LQP02HQ2N2B02E 2.2 B: ±0.1 nH 14 0.2 11.5 9.8 5.   LQP02HQ2N2C02L 2.2 C: ±0.2 nH 14 0.2 11.5 9.8 5.   LQP02HQ2N2C02E 2.2 C: ±0.2 nH 14 0.2 11.5 9.8 5.   LQP02HQ2N3W02L 2.3 W: ±0.05 nH 14 0.2 11 9.8   LQP02HQ2N3W02E 2.3 W: ±0.05 nH 14 0.2 11 9.8   LQP02HQ2N3W02E 2.3 W: ±0.05 nH 14 0.2 11 9.8   LQP02HQ2N3B02L 2.3 B: ±0.1 nH 14 0.2 11 9.8   LQP02HQ2N3B02E 2.3 B: ±0.1 nH 14 0.2 11 9.8   LQP02HQ2N3B02E 2.3 C: ±0.2 nH 14 0.2 11 9.8   LQP02HQ2N3C02L 2.3 C: ±0.2 nH 14 0.2 11 9.8   LQP02HQ2N3C02L 2.3 C: ±0.2 nH 14 0.2 11 9.8   LQP02HQ2N3C02E 2.3 C: ±0.2 nH 14 0.2 11 9.8   LQP02HQ2N4W02L 2.4 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N4W02L 2.4 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N4W02E 2.4 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N4W02E 2.4 B: ±0.1 nH 14 0.2 11 9.5   LQP02HQ2N4B02L 2.4 B: ±0.1 nH 14 0.2 11 9.5   LQP02HQ2N4B02E 2.4 B: ±0.1 nH 14 0.2 11 9.5   LQP02HQ2N4B02E 2.4 C: ±0.2 nH 14 0.2 11 9.5   LQP02HQ2N4C02L 2.4 C: ±0.2 nH 14 0.2 11 9.5   LQP02HQ2N4C02L 2.4 C: ±0.2 nH 14 0.2 11 9.5   LQP02HQ2N4C02L 2.4 C: ±0.2 nH 14 0.2 11 9.5   LQP02HQ2N4C02E 2.4 C: ±0.2 nH 14 0.2 11 9.5   LQP02HQ2N5W02L 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02L 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5   LQP02HQ2N5W02E 2.5 W: ±		LQP02HQ2N2W02L	2.2	W: ±0.05 nH	14	0.2	11.5	9.8	500
LQP02HQ2N2B02E       2.2       B: ±0.1 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2C02E       2.2       C: ±0.2 nH       14       0.2       11.5       9.8       5         LQP02HQ2N2C02E       2.2       C: ±0.2 nH       14       0.2       11.5       9.8       5         LQP02HQ2N3W02L       2.3       W: ±0.05 nH       14       0.2       11       9.8       4         LQP02HQ2N3W02E       2.3       W: ±0.05 nH       14       0.2       11       9.8       4         LQP02HQ2N3B02L       2.3       B: ±0.1 nH       14       0.2       11       9.8       4         LQP02HQ2N3G02E       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02E       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02E       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N4W02L       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4W02E       2.4       W: ±0.05 nH       14       0.2       11       9.5       4		LQP02HQ2N2W02E	2.2	W: ±0.05 nH	14	0.2	11.5	9.8	500
LQP02HQ2N2C02L       2.2       C: ±0.2 nH       14       0.2       11.5       9.8       8         LQP02HQ2N2C02E       2.2       C: ±0.2 nH       14       0.2       11.5       9.8       8         LQP02HQ2N3W02L       2.3       W: ±0.05 nH       14       0.2       11       9.8       4         LQP02HQ2N3W02E       2.3       W: ±0.05 nH       14       0.2       11       9.8       4         LQP02HQ2N3B02L       2.3       B: ±0.1 nH       14       0.2       11       9.8       4         LQP02HQ2N3B02E       2.3       B: ±0.1 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02L       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02E       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N4W02L       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4W02E       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02E       2.4       B: ±0.1 nH       14       0.2       11       9.5       4		LQP02HQ2N2B02L	2.2	B: ±0.1 nH	14	0.2	11.5	9.8	500
LQP02HQ2N2C02E       2.2       C: ±0.2 nH       14       0.2       11.5       9.8       5         LQP02HQ2N3W02L       2.3       W: ±0.05 nH       14       0.2       11       9.8       4         LQP02HQ2N3W02E       2.3       W: ±0.05 nH       14       0.2       11       9.8       4         LQP02HQ2N3B02L       2.3       B: ±0.1 nH       14       0.2       11       9.8       4         LQP02HQ2N3B02E       2.3       B: ±0.1 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02L       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02E       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N4W02L       2.4       W: ±0.05 nH       14       0.2       11       9.8       4         LQP02HQ2N4W02E       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02E       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02L       2.4       C: ±0.2 nH       14       0.2       11       9.5       4		LQP02HQ2N2B02E	2.2	B: ±0.1 nH	14	0.2	11.5	9.8	500
LQP02HQ2N3W02L 2.3 W: ±0.05 nH 14 0.2 11 9.8 4 LQP02HQ2N3W02E 2.3 W: ±0.05 nH 14 0.2 11 9.8 4 LQP02HQ2N3B02L 2.3 B: ±0.1 nH 14 0.2 11 9.8 4 LQP02HQ2N3B02E 2.3 B: ±0.1 nH 14 0.2 11 9.8 4 LQP02HQ2N3C02L 2.3 C: ±0.2 nH 14 0.2 11 9.8 4 LQP02HQ2N3C02E 2.3 C: ±0.2 nH 14 0.2 11 9.8 4 LQP02HQ2N3C02E 2.3 C: ±0.2 nH 14 0.2 11 9.8 4 LQP02HQ2N4W02L 2.4 W: ±0.05 nH 14 0.2 11 9.5 4 LQP02HQ2N4W02E 2.4 W: ±0.05 nH 14 0.2 11 9.5 4 LQP02HQ2N4B02L 2.4 B: ±0.1 nH 14 0.2 11 9.5 4 LQP02HQ2N4B02E 2.4 B: ±0.1 nH 14 0.2 11 9.5 4 LQP02HQ2N4C02L 2.4 C: ±0.2 nH 14 0.2 11 9.5 4 LQP02HQ2N4C02L 2.4 C: ±0.2 nH 14 0.2 11 9.5 4 LQP02HQ2N4C02E 2.4 C: ±0.2 nH 14 0.2 11 9.5 4 LQP02HQ2N4C02E 2.4 C: ±0.2 nH 14 0.2 11 9.5 4 LQP02HQ2N4C02E 2.4 C: ±0.2 nH 14 0.2 11 9.5 4 LQP02HQ2N5W02L 2.5 W: ±0.05 nH 14 0.2 11 9.5 4 LQP02HQ2N5W02E 2.5 W: ±0.05 nH 14 0.2 11 9.5 4		LQP02HQ2N2C02L	2.2	C: ±0.2 nH	14	0.2	11.5	9.8	500
LQP02HQ2N3W02E       2.3       W: ±0.05 nH       14       0.2       11       9.8       4         LQP02HQ2N3B02L       2.3       B: ±0.1 nH       14       0.2       11       9.8       4         LQP02HQ2N3B02E       2.3       B: ±0.1 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02L       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02E       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N4W02L       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4W02E       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02L       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02L       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02E       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02L       2.5       W: ±0.05 nH       14       0.2       11       9.5       4		LQP02HQ2N2C02E	2.2	C: ±0.2 nH	14	0.2	11.5	9.8	500
LQP02HQ2N3B02L       2.3       B: ±0.1 nH       14       0.2       11       9.8       4         LQP02HQ2N3B02E       2.3       B: ±0.1 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02L       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02E       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N4W02L       2.4       W: ±0.05 nH       14       0.2       11       9.8       4         LQP02HQ2N4W02L       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02L       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02E       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02L       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02L       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02L       2.5       W: ±0.05 nH       14       0.2       11       9.5       4     <		LQP02HQ2N3W02L	2.3	W: ±0.05 nH	14	0.2	11	9.8	450
LQP02HQ2N3B02E       2.3       B: ±0.1 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02L       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02E       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N4W02L       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4W02E       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02L       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02E       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02L       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02E       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02L       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02E       2.5       W: ±0.05 nH       14       0.2       11       9.5       4     <		LQP02HQ2N3W02E	2.3	W: ±0.05 nH	14	0.2	11	9.8	450
LQP02HQ2N3C02L       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N3C02E       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N4W02L       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4W02E       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02L       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02E       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02L       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02E       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02L       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02E       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5B02L       2.5       B: ±0.1 nH       14       0.2       11       9.5       4     <		LQP02HQ2N3B02L	2.3	B: ±0.1 nH	14	0.2	11	9.8	450
LQP02HQ2N3C02E       2.3       C: ±0.2 nH       14       0.2       11       9.8       4         LQP02HQ2N4W02L       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4W02E       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02L       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02E       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02L       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02E       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02L       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02E       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5B02L       2.5       B: ±0.1 nH       14       0.2       11       9.5       4		LQP02HQ2N3B02E	2.3	B: ±0.1 nH	14	0.2	11	9.8	450
LQP02HQ2N4W02L       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4W02E       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02L       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02E       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02L       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02E       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02L       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02E       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5B02L       2.5       B: ±0.1 nH       14       0.2       11       9.5       4		LQP02HQ2N3C02L	2.3	C: ±0.2 nH	14	0.2	11	9.8	450
LQP02HQ2N4W02L       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4W02E       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02L       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02E       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02L       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02E       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02L       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02E       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5B02L       2.5       B: ±0.1 nH       14       0.2       11       9.5       4			2.3		14			9.8	450
LQP02HQ2N4W02E       2.4       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02L       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02E       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02L       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02E       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02L       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02E       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5B02L       2.5       B: ±0.1 nH       14       0.2       11       9.5       4		LQP02HQ2N4W02L	2.4		14				450
LQP02HQ2N4B02L       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4B02E       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02L       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02E       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02L       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02E       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5B02L       2.5       B: ±0.1 nH       14       0.2       11       9.5       4		LQP02HQ2N4W02E	2.4		14			9.5	450
LQP02HQ2N4B02E       2.4       B: ±0.1 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02L       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02E       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02L       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02E       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5B02L       2.5       B: ±0.1 nH       14       0.2       11       9.5       4									450
LQP02HQ2N4C02L       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N4C02E       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02L       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02E       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5B02L       2.5       B: ±0.1 nH       14       0.2       11       9.5       4			2.4		14				450
LQP02HQ2N4C02E       2.4       C: ±0.2 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02L       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02E       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5B02L       2.5       B: ±0.1 nH       14       0.2       11       9.5       4			2.4		14			9.5	450
LQP02HQ2N5W02L       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5W02E       2.5       W: ±0.05 nH       14       0.2       11       9.5       4         LQP02HQ2N5B02L       2.5       B: ±0.1 nH       14       0.2       11       9.5       4									450
LQP02HQ2N5W02E     2.5     W: ±0.05 nH     14     0.2     11     9.5     4       LQP02HQ2N5B02L     2.5     B: ±0.1 nH     14     0.2     11     9.5     4			2.5		14			9.5	450
LQP02HQ2N5B02L 2.5 B: ±0.1 nH 14 0.2 11 9.5									450
									450
									450
LQP02HQ2N5C02L 2.5 C: ±0.2 nH 14 0.2 11 9.5									450
									450

: JELF243C_0023	<u>H-01</u>	\CIC	rence	<b>U</b> 111	y			P5/19
Customer	Murata		luctance	Q (Min.)	DC resistance	frequ	sonant lency Hz)	Rated current
Part number	Part number	Nominal value (nH)	Tolerance	(Min.)	(Ω max.)	*Typical value	Lower limit	(mA)
	LQP02HQ2N6B02L	2.6	B: ±0.1 nH	14	0.2	11	9.5	450
	LQP02HQ2N6B02E	2.6	B: ±0.1 nH	14	0.2	11	9.5	450
	LQP02HQ2N6C02L	2.6	C: ±0.2 nH	14	0.2	11	9.5	450
	LQP02HQ2N6C02E	2.6	C: ±0.2 nH	14	0.2	11	9.5	450
	LQP02HQ2N7B02L	2.7	B: ±0.1 nH	14	0.2	10.5	8.8	450
	LQP02HQ2N7B02E	2.7	B: ±0.1 nH	14	0.2	10.5	8.8	450
	LQP02HQ2N7C02L	2.7	C: ±0.2 nH	14	0.2	10.5	8.8	450
	LQP02HQ2N7C02E	2.7	C: ±0.2 nH	14	0.2	10.5	8.8	450
	LQP02HQ2N8B02L	2.8	B: ±0.1 nH	14	0.2	10.5	8.8	450
	LQP02HQ2N8B02E	2.8	B: ±0.1 nH	14	0.2	10.5	8.8	450
	LQP02HQ2N8C02L	2.8	C: ±0.2 nH	14	0.2	10.5	8.8	450
	LQP02HQ2N8C02E	2.8	C: ±0.2 nH	14	0.2	10.5	8.8	450
	LQP02HQ2N9B02L	2.9	B: ±0.1 nH	14	0.2	10.5	8.8	450
	LQP02HQ2N9B02E	2.9	B: ±0.1 nH	14	0.2	10.5	8.8	450
	LQP02HQ2N9C02L	2.9	C: ±0.2 nH	14	0.2	10.5	8.8	450
	LQP02HQ2N9C02E	2.9	C: ±0.2 nH	14	0.2	10.5	8.8	450
	LQP02HQ3N0B02L	3.0	B: ±0.1 nH	14	0.2	10	8.5	450
	LQP02HQ3N0B02E	3.0	B: ±0.1 nH	14	0.2	10	8.5	450
	LQP02HQ3N0C02L	3.0	C: ±0.2 nH	14	0.2	10	8.5	450
	LQP02HQ3N0C02E	3.0	C: ±0.2 nH	14	0.2	10	8.5	450
	LQP02HQ3N1B02L	3.1	B: ±0.1 nH	14	0.25	10	8.5	400
	LQP02HQ3N1B02E	3.1	B: ±0.1 nH	14	0.25	10	8.5	400
	LQP02HQ3N1C02L	3.1	C: ±0.2 nH	14	0.25	10	8.5	400
	LQP02HQ3N1C02E	3.1	C: ±0.2 nH	14	0.25	10	8.5	400
	LQP02HQ3N2B02L	3.2	B: ±0.1 nH	14	0.25	10	8.5	400
	LQP02HQ3N2B02E	3.2	B: ±0.1 nH	14	0.25	10	8.5	400
	LQP02HQ3N2C02L	3.2	C: ±0.2 nH	14	0.25	10	8.5	400
	LQP02HQ3N2C02E	3.2	C: ±0.2 nH	14	0.25	10	8.5	400
	LQP02HQ3N3B02L	3.3	B: ±0.1 nH	14	0.25	10	8.2	400
	LQP02HQ3N3B02E	3.3	B: ±0.1 nH	14	0.25	10	8.2	400
	LQP02HQ3N3C02L	3.3	C: ±0.2 nH	14	0.25	10	8.2	400
	LQP02HQ3N3C02E	3.3	C: ±0.2 nH	14	0.25	10	8.2	400
	LQP02HQ3N4B02L	3.4	B: ±0.1 nH	14	0.3	10	8.2	400
	LQP02HQ3N4B02E	3.4	B: ±0.1 nH	14	0.3	10	8.2	400
	LQP02HQ3N4C02L	3.4	C: ±0.2 nH	14	0.3	10	8.2	400
	LQP02HQ3N4C02E	3.4	C: ±0.2 nH	14	0.3	10	8.2	400
	LQP02HQ3N5B02L	3.5	B: ±0.1 nH	14	0.3	10	8.2	350
	LQP02HQ3N5B02E	3.5	B: ±0.1 nH	14	0.3	10	8.2	350
	LQP02HQ3N5C02L	3.5	C: ±0.2 nH	14	0.3	10	8.2	350
	LQP02HQ3N5C02E	3.5	C: ±0.2 nH	14	0.3	10	8.2	350
	LQP02HQ3N6B02L	3.6	B: ±0.1 nH	14	0.3	9.5	8.2	350
	LQP02HQ3N6B02E	3.6	B: ±0.1 nH	14	0.3	9.5	8.2	350
	LQP02HQ3N6C02L	3.6	C: ±0.2 nH	14	0.3	9.5	8.2	350
	LQP02HQ3N6C02E	3.6	C: ±0.2 nH	14	0.3	9.5	8.2	350

NO JELF243C_0023	<u></u>								
Customer	Murata	Inc	luctance	Q	DC	frequ	sonant lency Hz)	Rated current	
Part number	Part number	Nominal value (nH)	Tolerance	(Min.)	resistance (Ω max.)	*Typical value	Lower limit	(mA)	
	LQP02HQ3N7B02L	3.7	B: ±0.1 nH	14	0.35	9.5	8.2	350	
	LQP02HQ3N7B02E	3.7	B: ±0.1 nH	14	0.35	9.5	8.2	350	
	LQP02HQ3N7C02L	3.7	C: ±0.2 nH	14	0.35	9.5	8.2	350	
	LQP02HQ3N7C02E	3.7	C: ±0.2 nH	14	0.35	9.5	8.2	350	
	LQP02HQ3N8B02L	3.8	B: ±0.1 nH	14	0.35	9.5	8.2	350	
	LQP02HQ3N8B02E	3.8	B: ±0.1 nH	14	0.35	9.5	8.2	350	
	LQP02HQ3N8C02L	3.8	C: ±0.2 nH	14	0.35	9.5	8.2	350	
	LQP02HQ3N8C02E	3.8	C: ±0.2 nH	14	0.35	9.5	8.2	350	
	LQP02HQ3N9B02L	3.9	B: ±0.1 nH	14	0.35	9.5	7.7	350	
	LQP02HQ3N9B02E	3.9	B: ±0.1 nH	14	0.35	9.5	7.7	350	
	LQP02HQ3N9C02L	3.9	C: ±0.2 nH	14	0.35	9.5	7.7	350	
	LQP02HQ3N9C02E	3.9	C: ±0.2 nH	14	0.35	9.5	7.7	350	
	LQP02HQ4N0B02L	4.0	B: ±0.1 nH	14	0.35	9	6.9	350	
	LQP02HQ4N0B02E	4.0	B: ±0.1 nH	14	0.35	9	6.9	350	
	LQP02HQ4N0C02L	4.0	C: ±0.2 nH	14	0.35	9	6.9	350	
	LQP02HQ4N0C02E	4.0	C: ±0.2 nH	14	0.35	9	6.9	350	
	LQP02HQ4N1B02L	4.1	B: ±0.1 nH	14	0.35	9	6.9	350	
	LQP02HQ4N1B02E	4.1	B: ±0.1 nH	14	0.35	9	6.9	350	
	LQP02HQ4N1C02L	4.1	C: ±0.2 nH	14	0.35	9	6.9	350	
	LQP02HQ4N1C02E	4.1	C: ±0.2 nH	14	0.35	9	6.9	350	
	LQP02HQ4N2B02L	4.2	B: ±0.1 nH	14	0.35	8	6.9	350	
	LQP02HQ4N2B02E	4.2	B: ±0.1 nH	14	0.35	8	6.9	350	
	LQP02HQ4N2C02L	4.2	C: ±0.2 nH	14	0.35	8	6.9	350	
	LQP02HQ4N2C02E	4.2	C: ±0.2 nH	14	0.35	8	6.9	350	
	LQP02HQ4N3H02L	4.3	H: ±3%	13	0.35	8	6.9	350	
	LQP02HQ4N3H02E	4.3	H: ±3%	13	0.35	8	6.9	350	
	LQP02HQ4N3J02L	4.3	J: ±5%	13	0.35	8	6.9	350	
	LQP02HQ4N3J02E	4.3	J: ±5%	13	0.35	8	6.9	350	
	LQP02HQ4N7H02L	4.7	H: ±3%	13	0.35	8	6.7	350	
	LQP02HQ4N7H02E	4.7	H: ±3%	13	0.35	8	6.7	350	
	LQP02HQ4N7J02L	4.7	J: ±5%	13	0.35	8	6.7	350	
	LQP02HQ4N7J02E	4.7	J: ±5%	13	0.35	8	6.7	350	
	LQP02HQ5N1H02L	5.1	H: ±3%	13	0.35	8	6.6	350	
	LQP02HQ5N1H02E	5.1	H: ±3%	13	0.35	8	6.6	350	
	LQP02HQ5N1J02L	5.1	J: ±5%	13	0.35	8	6.6	350	
	LQP02HQ5N1J02E	5.1	J: ±5%	13	0.35	8	6.6	350	
	LQP02HQ5N6H02L	5.6	H: ±3%	13	0.4	7.5	6.1	300	
	LQP02HQ5N6H02E	5.6	H: ±3%	13	0.4	7.5	6.1	300	
	LQP02HQ5N6J02L	5.6	J: ±5%	13	0.4	7.5	6.1	300	
	LQP02HQ5N6J02E	5.6	J: ±5%	13	0.4	7.5	6.1	300	
	LQP02HQ6N2H02L	6.2	H: ±3%	13	0.4	7.0	6.0	300	
	LQP02HQ6N2H02E	6.2	H: ±3%	13	0.4	7.0	6.0	300	
	LQP02HQ6N2J02L	6.2	J: ±5%	13	0.4	7.0	6.0	300	
	LQP02HQ6N2J02E	6.2	J: ±5%	13	0.4	7.0	6.0	300	

1NO JELF243C_0023								F1/19
Customer	Murata	Inc	luctance	Q	DC		sonant ency Hz)	Rated
Part number	Part number	Nominal value (nH)	Tolerance	(Min.)	resistance (Ω max.)	*Typical value	Lower limit	current (mA)
	LQP02HQ6N8H02L	6.8	H: ±3%	13	0.4	7.0	5.7	300
	LQP02HQ6N8H02E	6.8	H: ±3%	13	0.4	7.0	5.7	300
	LQP02HQ6N8J02L	6.8	J: ±5%	13	0.4	7.0	5.7	300
	LQP02HQ6N8J02E	6.8	J: ±5%	13	0.4	7.0	5.7	300
	LQP02HQ7N5H02L	7.5	H: ±3%	13	0.5	6.5	5.6	300
	LQP02HQ7N5H02E	7.5	H: ±3%	13	0.5	6.5	5.6	300
	LQP02HQ7N5J02L	7.5	J: ±5%	13	0.5	6.5	5.6	300
	LQP02HQ7N5J02E	7.5	J: ±5%	13	0.5	6.5	5.6	300
	LQP02HQ8N2H02L	8.2	H: ±3%	13	0.5	6.5	5.1	300
	LQP02HQ8N2H02E	8.2	H: ±3%	13	0.5	6.5	5.1	300
	LQP02HQ8N2J02L	8.2	J: ±5%	13	0.5	6.5	5.1	300
	LQP02HQ8N2J02E	8.2	J: ±5%	13	0.5	6.5	5.1	300
	LQP02HQ9N1H02L	9.1	H: ±3%	13	0.5	6.0	4.9	300
	LQP02HQ9N1H02E	9.1	H: ±3%	13	0.5	6.0	4.9	300
	LQP02HQ9N1J02L	9.1	J: ±5%	13	0.5	6.0	4.9	300
	LQP02HQ9N1J02E	9.1	J: ±5%	13	0.5	6.0	4.9	300
	LQP02HQ10NH02L	10	H: ±3%	13	0.6	5.8	4.9	250
	LQP02HQ10NH02E	10	H: ±3%	13	0.6	5.8	4.9	250
	LQP02HQ10NJ02L	10	J: ±5%	13	0.6	5.8	4.9	250
	LQP02HQ10NJ02E	10	J: ±5%	13	0.6	5.8	4.9	250
	LQP02HQ11NH02L	11	H: ±3%	13	0.8	5.6	4.0	250
	LQP02HQ11NH02E	11	H: ±3%	13	0.8	5.6	4.0	250
	LQP02HQ11NJ02L	11	J: ±5%	13	0.8	5.6	4.0	250
	LQP02HQ11NJ02E	11	J: ±5%	13	0.8	5.6	4.0	250
	LQP02HQ12NH02L	12	H: ±3%	13	0.82	5.6	4.0	230
	LQP02HQ12NH02E	12	H: ±3%	13	0.82	5.6	4.0	230
	LQP02HQ12NJ02L	12	J: ±5%	13	0.82	5.6	4.0	230
	LQP02HQ12NJ02E	12	J: ±5%	13	0.82	5.6	4.0	230
	LQP02HQ13NH02L	13	H: ±3%	13	0.99	4.8	4.0	210
	LQP02HQ13NH02E	13	H: ±3%	13	0.99	4.8	4.0	210
	LQP02HQ13NJ02L	13	J: ±5%	13	0.99	4.8	4.0	210
	LQP02HQ13NJ02E	13	J: ±5%	13	0.99	4.8	4.0	210
	LQP02HQ15NH02L	15	H: ±3%	13	1.53	4.8	4.0	170
	LQP02HQ15NH02E	15	H: ±3%	13	1.53	4.8	4.0	170
	LQP02HQ15NJ02L	15	J: ±5%	13	1.53	4.8	4.0	170
	LQP02HQ15NJ02E	15	J: ±5%	13	1.53	4.8	4.0	170
	LQP02HQ16NH02L	16	H: ±3%	13	1.53	4.4	4.0	170
	LQP02HQ16NH02E	16	H: ±3%	13	1.53	4.4	4.0	170
	LQP02HQ16NJ02L	16	J: ±5%	13	1.53	4.4	4.0	170
	LQP02HQ16NJ02E	16	J: ±5%	13	1.53	4.4	4.0	170
	LQP02HQ18NH02L	18	H: ±3%	13	1.63	4.2	3.7	160
	LQP02HQ18NH02E	18	H: ±3%	13	1.63	4.2	3.7	160
	LQP02HQ18NJ02L	18	J: ±5%	13	1.63	4.2	3.7	160
	LQP02HQ18NJ02E	18	J: ±5%	13	1.63	4.2	3.7	160

No.: JELF243C_0023	<u>BH-01</u>	/ele	rence	OIII	У			P8/19
Customer Part number	Murata Part number	Inc Nominal value	luctance Tolerance	Q (Min.)	DC resistance (Ω max.)	frequ	esonant dency Hz) Lower	Rated current (mA)
		(nH)	Tolcranoc			value	limit	
	LQP02HQ20NH02L	20	H: ±3%	12	2.26	3.9	3.0	140
	LQP02HQ20NH02E	20	H: ±3%	12	2.26	3.9	3.0	140
	LQP02HQ20NJ02L	20	J: ±5%	12	2.26	3.9	3.0	140
	LQP02HQ20NJ02E	20	J: ±5%	12	2.26	3.9	3.0	140
	LQP02HQ22NH02L	22	H: ±3%	12	2.26	3.9	3.0	140
	LQP02HQ22NH02E	22	H: ±3%	12	2.26	3.9	3.0	140
	LQP02HQ22NJ02L	22	J: ±5%	12	2.26	3.9	3.0	140
	LQP02HQ22NJ02E	22	J: ±5%	12	2.26	3.9	3.0	140
	LQP02HQ24NH02L	24	H: ±3%	12	2.6	3.7	2.9	120
	LQP02HQ24NH02E	24	H: ±3%	12	2.6	3.7	2.9	120
	LQP02HQ24NJ02L	24	J: ±5%	12	2.6	3.7	2.9	120
	LQP02HQ24NJ02E	24	J: ±5%	12	2.6	3.7	2.9	120
	LQP02HQ27NH02L	27	H: ±3%	12	2.6	3.6	2.9	120
	LQP02HQ27NH02E	27	H: ±3%	12	2.6	3.6	2.9	120
	LQP02HQ27NJ02L	27	J: ±5%	12	2.6	3.6	2.9	120
	LQP02HQ27NJ02E	27	J: ±5%	12	2.6	3.6	2.9	120
	LQP02HQ30NH02L	30	H: ±3%	9	3.2	3.4	2.6	120
	LQP02HQ30NH02E	30	H: ±3%	9	3.2	3.4	2.6	120
	LQP02HQ30NJ02L	30	J: ±5%	9	3.2	3.4	2.6	120
	LQP02HQ30NJ02E	30	J: ±5%	9	3.2	3.4	2.6	120
	LQP02HQ33NH02L	33	H: ±3%	9	3.2	3.2	2.6	120
	LQP02HQ33NH02E	33	H: ±3%	9	3.2	3.2	2.6	120
	LQP02HQ33NJ02L	33	J: ±5%	9	3.2	3.2	2.6	120
	LQP02HQ33NJ02E	33	J: ±5%	9	3.2	3.2	2.6	120
	LQP02HQ36NH02L	36	H: ±3%	9	3.6	3.1	2.4	110
	LQP02HQ36NH02E	36	H: ±3%	9	3.6	3.1	2.4	110
	LQP02HQ36NJ02L	36	J: ±5%	9	3.6	3.1	2.4	110
	LQP02HQ36NJ02E	36	J: ±5%	9	3.6	3.1	2.4	110
	LQP02HQ39NH02L	39	H: ±3%	9	3.6	3.0	2.4	110
	LQP02HQ39NH02E	39	H: ±3%	9	3.6	3.0	2.4	110
	LQP02HQ39NJ02L	39	J: ±5%	9	3.6	3.0	2.4	110
	LQP02HQ39NJ02E	39	J: ±5%	9	3.6	3.0	2.4	110
	LQP02HQ43NH02L	43	H: ±3%	8	4.0	2.7	2.1	100
	LQP02HQ43NH02E	43	H: ±3%	8	4.0	2.7	2.1	100
	LQP02HQ43NJ02L	43	J: ±5%	8	4.0	2.7	2.1	100
	LQP02HQ43NJ02E	43	J: ±5%	8	4.0	2.7	2.1	100
	LQP02HQ47NH02L	47	H: ±3%	8	4.0	2.6	2.1	100
	LQP02HQ47NH02E	47	H: ±3%	8	4.0	2.6	2.1	100
	LQP02HQ47NJ02L	47	J: ±5%	8	4.0	2.6	2.1	100
	LQP02HQ47NJ02E	47	J: ±5%	8	4.0	2.6	2.1	100
	LQP02HQ51NH02L	51	H: ±3%	8	4.2	2.5	1.9	100
	LQP02HQ51NH02E	51	H: ±3%	8	4.2	2.5	1.9	100
	LQP02HQ51NJ02L	51	J: ±5%	8	4.2	2.5	1.9	100
	LQP02HQ51NJ02E	51	J: ±5%	8	4.2	2.5	1.9	100

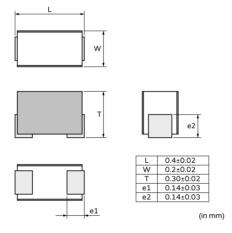
Customer Part number	Murata	Inductance		Q	DC	Self-resonant frequency (GHz)		Rated
	Part number	Nominal value (nH)	Tolerance	(Min.)	resistance (Ω max.)	*Typical value	Lower limit	current (mA)
	LQP02HQ56NH02L	56	H: ±3%	8	4.2	2.3	1.9	100
	LQP02HQ56NH02E	56	H: ±3%	8	4.2	2.3	1.9	100
	LQP02HQ56NJ02L	56	J: ±5%	8	4.2	2.3	1.9	100
	LQP02HQ56NJ02E	56	J: ±5%	8	4.2	2.3	1.9	100

<sup>\*</sup> Typical value is actual performance.

#### 4. Testing Conditions

Unless otherwise specified	Temperature: ordinary temperature (15°C to 35°C) Humidity: ordinary humidity [25% to 85% (RH)]
	Temperature: 20°C±2°C Humidity: 60% to 70% (RH) Atmospheric pressure: 86 kPa to 106 kPa

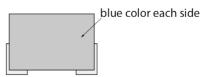
### 5. Appearance and Dimensions



Unit mass (typical value): 0.085 mg

## 6. Marking

Side surface identification marking :blue



Spec No.: JELF243C\_0023H-01

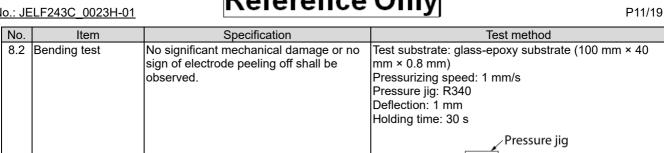
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#### 7. Electrical Performance

No.	Item	Specification	Test method
	Inductance	Meet chapter 3 ratings.	Measuring equipment: Keysight E4991A or the
	Inductance Q	Meet chapter 3 ratings.  Meet chapter 3 ratings.	Measuring equipment: Keysight E4991A or the equivalent  Measuring frequency:  500 MHz
			Product insertion hole: ø0.36 mm Measuring method: see "Electrical performance:
			Measuring method for inductance/Q" in the Appendix.
7.3	DC resistance	Meet chapter 3 ratings.	Measuring equipment: digital multimeter
	Self-resonant frequency	Meet chapter 3 ratings.	Measuring equipment: Keysight N5230A or the equivalent
7.5	Rated current	Product temperature rise: 25°C max.	Apply the rated current specified in chapter 3.

#### 8. Mechanical Performance

No.	Item	Specification	Test method
8.1			Test substrate: glass-epoxy substrate Applying force: 1 N Holding time: 5 s±1 s Force application direction:
			F



			45 45 Product (in mm)
8.3	Vibration	Appearance shall have no significant mechanical damage. Inductance change rate: within ±10%	Oscillation frequency: 10 Hz to 2000 Hz to 10 Hz, for approx. 20 min Total amplitude: total amplitude of 1.5 mm or acceleration amplitude of 196 m/s², whichever is smaller Test time: 3 directions perpendicular to each other, 2 h for each direction (6 h in total)
8.4	Solderability	90% or more of the outer electrode shall be covered with new solder seamlessly.	Flux: immersed in ethanol solution with a rosin content of 25(wt)% for 5 s to 10 s Solder: Sn-3.0Ag-0.5Cu solder Pre-heating: 150°C±10°C/60 s to 90 s Solder temperature: 240°C±5°C Immersion time: 3 s±1 s
8.5	Resistance to soldering heat	Appearance: No significant mechanical damage shall be observed. Inductance change rate: within ±10%	Flux: immersed in ethanol solution with a rosin content of 25(wt)% for 5 s to 10 s Solder: Sn-3.0Ag-0.5Cu solder Pre-heating: 150°C±10°C/60 s to 90 s Solder temperature: 260°C±5°C Immersion time: 5 s±1 s Post-treatment: left at a room condition for 24 h±2 h

#### 9. Environmental Performance

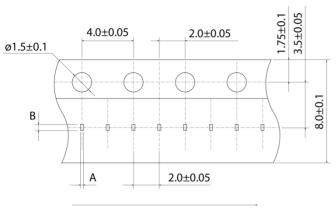
The product is soldered on a glass-epoxy substrate for test.

No.	Item	Specification	Test method
9.1	Heat resistance	Appearance: No significant mechanical	Temperature: 125°C±2°C
		damage shall be observed.	Test time: 1000 h (+48 h, -0 h)
		Inductance change rate: within ±10%	Post-treatment: left at a room condition for 24 h±2 h
9.2	Cold resistance	Appearance: No significant mechanical	Temperature: -55°C±3°C
		damage shall be observed.	Test time: 1000 h (+48 h, -0 h)
		Inductance change rate: within ±10%	Post-treatment: left at a room condition for 24 h±2 h
9.3	Humidity	Appearance: No significant mechanical	Temperature: 40°C±2°C
		damage shall be observed.	Humidity: 90% (RH) to 95% (RH)
		Inductance change rate: within ±10%	Test time: 1000 h (+48 h, -0 h)
			Post-treatment: left at a room condition for 24 h±2 h
9.4	Temperature cycle	Appearance: No significant mechanical	Single cycle conditions:
		damage shall be observed.	Step 1: -55°C±2°C/30 min±3 min
		Inductance change rate: within ±10%	Step 2: ordinary temperature/10 min to 15 min
			Step 3: +125°C±2°C/30 min±3 min
			Step 4: ordinary temperature/10 min to 15 min
			Number of testing: 10 cycles
			Post-treatment: left at a room condition for 24 h±2 h

### 10. Specification of Packaging

#### 10.1 Appearance and dimensions of tape

• 8 mm width/plastic tape

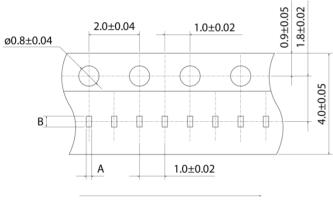




Α	(0.24)	
В	(0.46)	
t	(0.34)	
ť'	0.20±0.05	
		(in mm)

Direction of feed

- \* The dimensions of the cavity are measured at its bottom.
- 4 mm width/plastic tape

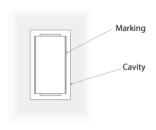




Α	(0.24)	
В	(0.46)	
t	(0.34)	
ť'	0.20±0.05	
	(in	mm)

Direction of feed

- \* The dimensions of the cavity are measured at its bottom.
  - Top view



Direction of feed

#### 10.2 Taping specifications

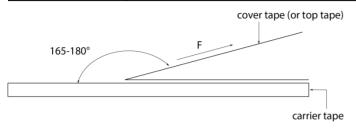
Packing quantity (Standard quantity)	15000 pcs/reel (carrier tape: 8 mm width, 2 mm pitch) 30000 pcs/reel (carrier tape: 4 mm width, 1 mm pitch)
Packing method	The products are placed in cavities of a carrier tape and sealed by a cover tape (top tape and bottom tape when the cavities of the carrier tape are punched type).
Feed hole position	The feed holes on the carrier tape are on the right side when the cover tape (top tape when the cavities of the carrier tape are punched type) is pulled toward the user.
Joint	The carrier tape and cover tape (top tape when the cavities of the carrier tape are punched type) are seamless.
Number of missing products	Number of missing products within 0.1% of the number per reel or 1 pc., whichever is greater, and are not continuous. The specified quantity per reel is kept.

## 10.3 Break down force of tape

Cover tape (or top tape)	5 N min.
Bottom tape (only when the cavities of the carrier tape are punched type)	5 N min.

#### 10.4 Peeling off force of tape

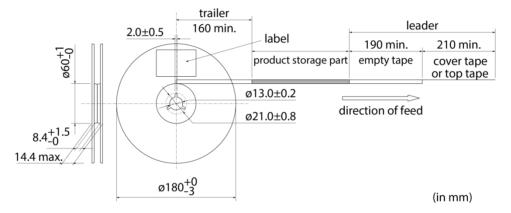
	-
Speed of peeling off	300 mm/min
Peeling off force	0.1 N to 0.6 N (The lower limit is for typical value.)



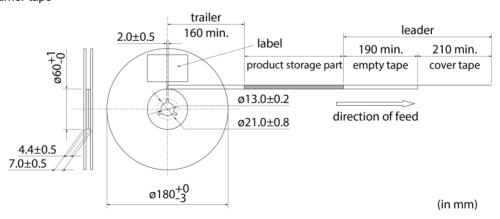
#### 10.5 Dimensions of leader section, trailer section and reel

A vacant section is provided in the leader (start) section and trailer (end) section of the tape for the product. The leader section is further provided with an area consisting only of the cover tape (or top tape). (See the diagram below.)

• 8 mm width carrier tape



#### • 4 mm width carrier tape



#### 10.6 Marking for reel

Customer part number, Murata part number, inspection number (\*1), RoHS marking (\*2), quantity, etc.

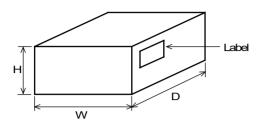
edeternor part namber, marata part namber, mepeetier namber (1), refre marking (2), quantity, etc.				
*1 Expression of inspection No.: $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	(1) Factory code (2) Date First digit: year/last digit of year Second digit: month/Jan. to Sep.→1 to 9, Oct. to Dec.→O, N, D Third, Fourth digit: day			
*2 Expression of RoHS marking: ROHS- $\underline{\underline{Y}}$ $\underline{\underline{(\triangle)}}$ (2)	(3) Serial No.  (1) RoHS regulation conformity (2) Murata classification number			

## Meletelice Offi

#### 10.7 Marking on outer box (corrugated box)

Customer name, purchasing order number, customer part number, Murata part number, RoHS marking (\*2), quantity, etc.

#### 10.8 Specification of outer box



Dimensions of outer box (mm)			Tape width (mm)	Standard reel quantity in outer box(reel)
W	D	Н	(111111)	iii outei box(reei)
106	106	93	4	10
186	186		8	5

<sup>\*</sup> Above outer box size is typical. It depends on a quantity of an order.

#### 11. ACaution

#### 11.1 Limitation of applications

The products listed in the reference specification (hereinafter the product(s) is called as the "Product(s)") are designed and manufactured for applications specified in the reference specification (hereinafter called as the "Specific Application"). We shall not warrant anything in connection with the Products including fitness, performance, adequateness, safety, or quality, in the case of applications listed in from (1) to (11) written at the end of this precautions, which may generally require high performance, function, quality, management of production or safety. Therefore, the Product shall be applied in compliance with the specific application.

WE DISCLAIM ANY LOSS AND DAMAGES ARISING FROM OR IN CONNECTION WITH THE PRODUCTS INCLUDING BUT NOT LIMITED TO THE CASE SUCH LOSS AND DAMAGES CAUSED BY THE UNEXPECTED ACCIDENT, IN EVENT THAT (i) THE PRODUCT IS APPLIED FOR THE PURPOSE WHICH IS NOT SPECIFIED AS THE SPECIFIC APPLICATION FOR THE PRODUCT, AND/OR (ii) THE PRODUCT IS APPLIED FOR ANY FOLLOWING APPLICATION PURPOSES FROM (1) TO (11) (EXCEPT THAT SUCH APPLICATION PURPOSE IS UNAMBIGUOUSLY SPECIFIED AS SPECIFIC APPLICATION FOR THE PRODUCT IN OUR CATALOG SPECIFICATION FORMS, DATASHEETS, OR OTHER DOCUMENTS OFFICIALLY ISSUED BY US\*).

- (1) Aircraft equipment
- (2) Aerospace equipment
- (3) Undersea equipment
- (4) Power plant control equipment
- (5) Medical equipment
- (6) Transportation equipment
- (7) Traffic control equipment
- (8) Disaster prevention/security equipment
- (9) Industrial data-processing equipment
- (10) Combustion/explosion control equipment
- (11) Equipment with complexity and/or required reliability equivalent to the applications listed in the above.

For exploring information of the Products which will be compatible with the particular purpose other than those specified in the reference specification, please contact our sales offices, distribution agents, or trading companies with which you make a deal, or via our web contact form.

Contact form: https://www.murata.com/contactform

\* We may design and manufacture particular Products for applications listed in (1) to (11). Provided that, in such case we shall unambiguously specify such Specific Application in the reference specification without any exception. Therefore, any other documents and/or performances, whether exist or non-exist, shall not be deemed as the evidence to imply that we accept the applications listed in (1) to (11).

#### 11.2 Precautions on rating

Avoid using in exceeded the rated temperature range, rated voltage, or rated current.

Usage when the ratings are exceeded could lead to wire breakage, burning, or other serious fault.

#### 11.3 Inrush current

If an inrush current (or pulse current or rush current) that significantly exceeds the rated current is applied to the product, overheating could occur, resulting in wire breakage, burning, or other serious fault.



#### 12. Precautions for Use

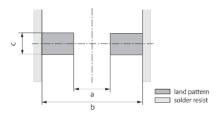
This product is for use only with reflow soldering. It is designed to be mounted by soldering. If you want to use other mounting method, for example, using a conductive adhesive, please consult us beforehand.

Also, if repeatedly subjected to temperature cycles or other thermal stress, due to the difference in the coefficient of thermal expansion with the mounting substrate, the solder (solder fillet part) in the mounting part may crack.

The occurrence of cracks due to thermal stress is affected by the size of the land where mounted, the solder volume, and the heat dissipation of the mounting substrate. Carefully design it when a large change in ambient temperature is assumed.

#### 12.1 Land dimensions

The following diagram shows the recommended land dimensions for reflow soldering:



а	0.20	
b	0.56	
С	0.16	
	(in n	nm)

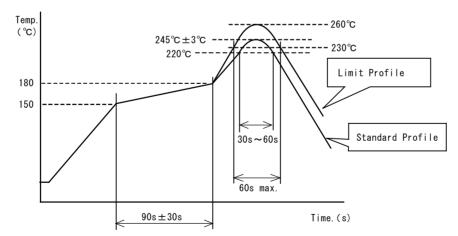
#### 12.2 Flux and solder used

Flux	<ul> <li>Use a rosin-based flux.</li> <li>Do not use a highly acidic flux with a halide content exceeding 0.2 mass% (chlorine conversion value).</li> <li>Do not use a water-soluble flux.</li> </ul>
Solder	<ul> <li>Use Sn-3.0Ag-0.5Cu solder.</li> <li>Standard thickness of solder paste: 50 μm to 65 μm</li> </ul>

If you want to use a flux other than the above, please consult our technical department.

#### 12.3 Soldering conditions (reflow)

- · Pre-heating should be in such a way that the temperature difference between solder and product surface is limited to 150°C max.
  - Cooling into solvent after soldering also should be in such a way that the temperature difference is limited to 100°C max. Insufficient pre-heating may cause cracks on the product, resulting in the deterioration of product quality.
- Standard soldering profile and the limit soldering profile is as follows. The excessive limit soldering conditions may cause leaching of the electrode and/or resulting in the deterioration of product quality.



	Standard profile	Limit profile	
Pre-heating	150°C to 180°C/90 s±30 s	150°C to 180°C/90 s±30 s	
Heating	Above 220°C/30 s to 60 s	Above 230°C/60 s max.	
Peak temperature	245°C±3°C	260°C/10 s	
Number of reflow cycles	2 times	2 times	

#### 12.4 Reworking with soldering iron

Do not perform reworking with a soldering iron on this product.

#### 12.5 Solder volume

Solder shall be used not to increase the volume too much.



 $1/3 T \le t \le 1/2 T$ T: thickness of product

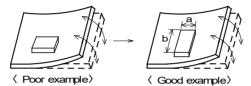
An increased solder volume increases mechanical stress on the product. Exceeding solder volume may cause the failure of mechanical or electrical performance.

#### 12.6 Product's location

The following shall be considered when designing and laying out PCBs.

(1) PCB shall be designed so that products are not subject to mechanical stress due to warping the board. [Products direction]

Products shall be located in the sideways direction (length: a < b) to the mechanical stress.



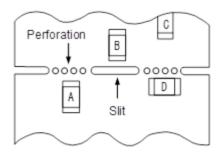
#### (2) Components location on PCB separation

It is effective to implement the following measures, to reduce stress in separating the board.

It is best to implement all of the following three measures; however, implement as many measures as possible to reduce stress.

Contents of measures	Stress level
(1) Turn the mounting direction of the component parallel to the board separation surface.	A > D*1
(2) Add slits in the board separation part.	A > B
(3) Keep the mounting position of the component away from the board separation surface.	A > C

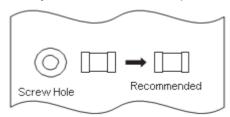
<sup>\*1</sup> A > D is valid when stress is added vertically to the perforation as with hand separation. If a cutting disc is used, stress will be diagonal to the PCB, therefore A > D is invalid.



#### (3) Mounting components near screw holes

When a component is mounted near a screw hole, it may be affected by the board deflection that occurs during the tightening of the screw.

Mount the component in a position as far away from the screw holes as possible.



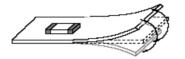


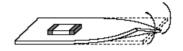
#### 12.7 Handling of substrate

- (1) The stress applied to the chip varies depending on the material and construction of the mounted substrate. If the coefficients of thermal expansion for the substrate and chip vary significantly, the difference in thermal expansion and shrinkage could cause cracks to form in the chip.
  - We assume that the products are mounted on glass-epoxy substrate. Assessment has not been conducted on substrates where the coefficient of thermal expansion varies significantly from glass-epoxy substrates. If mounting on these substrates, be sure to conduct full assessments before use.
- (2) After mounting products on a substrate, do not apply any stress to the product caused by bending or twisting to the substrate when cropping the substrate, inserting and removing a connector from the substrate or tightening screw to the substrate.

Excessive mechanical stress may cause cracking in the product.

Also, if mounting on flexible substrates, excessive mechanical stress could be applied to the chip by even slight bending or twisting when handling this substrate, and so please conduct full assessments before use.





Bending **Twisting** 

#### 12.8 Cleaning

Excessive ultrasonic oscillation during cleaning can cause the PCBs to resonate, resulting in cracked chips or broken solder joints. Before starting your production process, test your cleaning equipment / process to insure it does not degrade this

#### 12.9 Storage and transportation

Storage period	Use the product within 12 months after delivery.  If you do not use the product for more than 12 months, check solderability before using it.		
Storage conditions	<ul> <li>The products shall be stored in a room not subject to rapid changes in temperature and humidity. The recommended temperature range is -10°C to +40°C. The recommended relative humidity range is 15% to 85%. Keeping the product in corrosive gases, such as sulfur, chlorine gas or acid may cause the poor solderability.</li> <li>Do not place the products directly on the floor; they should be placed on a palette so that they are not affected by humidity or dust.</li> <li>Avoid keeping the products in a place exposed to direct sunlight, heat or vibration.</li> <li>Do not keep products in bulk packaging. Bulk storage could result in collisions between the products or between the products and other parts, resulting in chipping or wire breakage.</li> <li>Avoid storing the product by itself bare (i.e. exposed directly to air).</li> </ul>		
Transportation	Excessive vibration and impact reduces the reliability of the products. Exercise caution when handling the products.		

#### 12.10 Resin coating (including moisture-proof coating)

When the product is coated/molded with resin, its electrical characteristics may change.

A wire breakage issue may occur by mechanical stress caused by the resin, amount/cured shape of resin, or operating condition etc.

Some resins contain impurities or hydrolyzable chlorine, which could result in corrosion of the conducting materials, leading to wire breakage.

So, please pay your careful attention when you select resin in case of coating/molding the products with the resin. Prior to use the coating resin, please make sure no reliability issue is observed by evaluating products mounted on your board.

#### 12.11 Mounting conditions

Check the mounting condition before using.

Using mounting conditions (nozzles, equipment conditions, etc.) that are not suitable for products may lead to pick up errors, misalignment, or damage to the product.

#### 12.12 Operating environment

Do not use this product under the following environmental conditions as it may cause deterioration of product quality.

- (1) In the corrodible atmosphere such as acidic gases, alkaline gases, chlorine, sulfur gases, organic gases and etc. (the sea breeze, Cl2, H2S, NH3, SO2, NO2, etc)
- (2) In the atmosphere where liquid such as organic solvent, may splash on the products.
- (3) In the atmosphere where the temperature/humidity changes rapidly and it is easy to dew.

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#### 12.13 Mounting density

If this product is placed near heat-generating products, be sure to implement sufficient heat-dissipating measures. If this product is subjected to a significant amount of heat from other products, this could adversely affect product quality, resulting in a circuit malfunction or failure of the mounted section. Also, be sure that the product is used in a manner so that the heat that the product is subjected to from other products does not exceed the upper limit of the rated operating temperature for the product.

#### 13. **A**Note

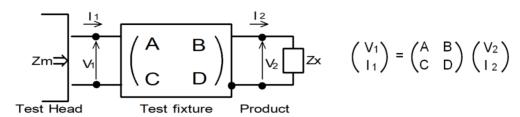
- (1) Please make sure that your product has been evaluated in view of your specifications with our product being mounted to your product.
- (2) You are requested not to use our product deviating from the reference specifications.
- (3) The contents of this reference specification are subject to change without advance notice. Please approve our product specifications or transact the approval sheet for product specifications before ordering.

#### **Appendix**

Electrical performance: Measuring method for inductance/Q (Q measurement is applicable only when the Q value is included in the rating table.)

Perform measurement using the method described below. (Perform correction for the error deriving from the measuring terminal.)

(1) Residual elements and stray elements of the measuring terminal can be expressed by the F parameter for the 2-pole terminal as shown in the figure below.



(2) The product's impedance value (Zx) and measured impedance value (Zm) can be expressed as shown below, by using the respective current and voltage for input/output.

$$Zm = \frac{V_1}{I_1} \qquad Zx = \frac{V_2}{I_2}$$

(3) Thus, the relationship between the product's impedance value (Zx) and measured impedance value (Zm) is as follows.

Zx=α Zm-β	α : β :	re, = D/A = 1 = B/D = Zsm - = C/A = Yom	(1 - Yom Zsm) Z	Zss
1-ZmΓ	Zs Yo	s: residual imp	impedance of short pedance of short admittance whe	t chip (0.110 nH)

(4) Calculate inductance Lx and Qx using the equations shown below.

,	Calculate inductance Ex and Qx deing the equations offerin scient.		
	$Lx = \frac{Im(Zx)}{2\pi f}$	Lx: inductance of chip coil	
	lm(Zx)	Qx: Q of chip coil	
	$Qx = \frac{R(Zx)}{Re(Zx)}$	f: measuring frequency	



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