

39S402C Datasheet



https://www.DiGi-Electronics.com

DiGi Electronics Part Number 395402C-DG

Manufacturer Murata Power Solutions

Manufacturer Product Number 395402C

Description FIXED IND 4UH 8.3A 5.4 MOHM SMD

Detailed Description 4 µH Unshielded Wirewound Inductor 8.3 A 5.4mOh

m Max Nonstandard



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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:
39S402C	Murata Power Solutions
Series:	Product Status:
3900	Active
Type:	Material - Core:
Wirewound	
Inductance:	Tolerance:
4 µН	±20%
Current Rating (Amps):	Current - Saturation (Isat):
8.3 A	8.3A
Shielding:	DC Resistance (DCR):
Unshielded	5.4mOhm Max
Q @ Freq:	Frequency - Self Resonant:
Ratings:	Operating Temperature:
	-40°C ~ 125°C
Inductance Frequency - Test:	Mounting Type:
100 kHz	Surface Mount
Package / Case:	Supplier Device Package:
Nonstandard	
Size / Dimension:	Height - Seated (Max):
0.508" L x 0.508" W (12.90mm x 12.90mm)	0.228" (5.80mm)
Base Product Number:	
300	

Environmental & Export classification

8504.50.4000

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



Flat Coil SM Power Inductors



FEATURES

- RoHS compliant
- Compact size
- Surface mount
- UL94 V-0 package materials
- Pick & place compatible
- J-STD-020D reflow
- Backward compatible with Sn/Pb soldering systems

DESCRIPTION

The 3900 series is a range of surface mount, flat coil wound power inductors that is designed for use where high current and low loss is essential, such as laptop computers and plasma screens.

SFI	ECTION GUIDE				
J_1		Inductance (100kHz, 0.1Vac)	DC Current ¹	Saturation Current ²	DC Resistance
	Order Code	±20%	Max.	Тур.	Max.
		μН	A	A	mΩ
	39S681C	0.68 ±30%	19.5	20.4	1.9
e	39S152C	1.50 ±30%	13.5	14.0	2.5
≦	39S252C	2.50	10.0	10.0	3.9
standard Type	39S402C	4.00	8.3	8.3	5.4
alla	39S602C	6.00	6.7	6.7	8.0
7	39S822C	8.20	5.8	5.8	11.4
	39S103C	10.0	5.0	5.0	13.5
	39H471C	0.47 ±30%	19.5	28.8	1.9
he	39H102C	1.00	17.5	20.0	2.5
=	39H182C	1.80	13.5	15.3	3.9
N.	39H282C	2.80	11.0	12.3	5.4
nigii rower iype	39H402C	4.00	9.7	10.3	8.0
SIL.	39H562C	5.60	8.2	8.8	11.4
	39H722C	7.20	6.6	7.8	13.5
	39U351C	0.35 ±30%	19.5	35.0	1.9
Me	39U801C	0.80 ±30%	18.0	25.7	2.5
Ultra Power Type	39U142C	1.40	13.5	19.2	3.9
OWE	39U222C	2.20	11.0	14.8	5.4
ב	39U322C	3.20	9.7	12.8	8.0
	39U432C	4.30	8.2	11	11.4
	39U562C	5.60	6.6	9.5	13.5

ABSOLUTE MAXIMUM RATINGS		
Operating temperature range	-40°C to +125°C	
Storage temperature range	-40°C to +150°C	

SOLDERING INFORMATION ³		
Peak reflow temperature	245°C	
Pin finish	Matte tin	
Moisture sensitivity level	1	

PACKAGING INFORMATION	
Tape & Reel	550 per reel



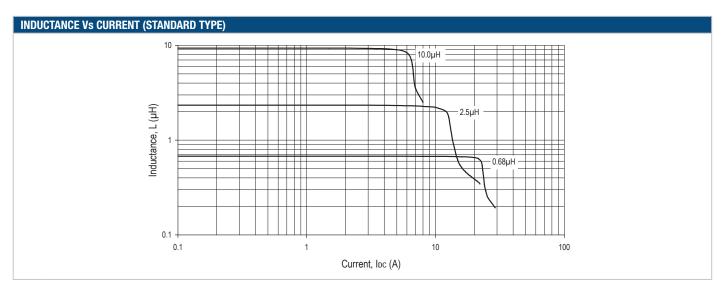


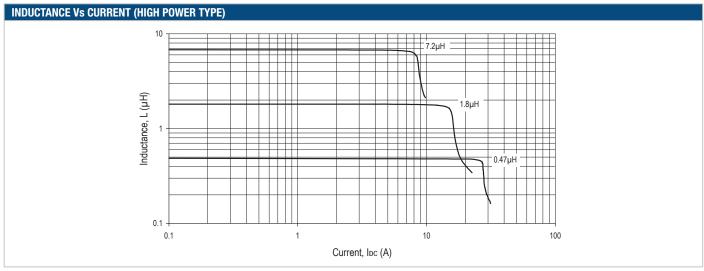
All specifications typical at T_a=25°C

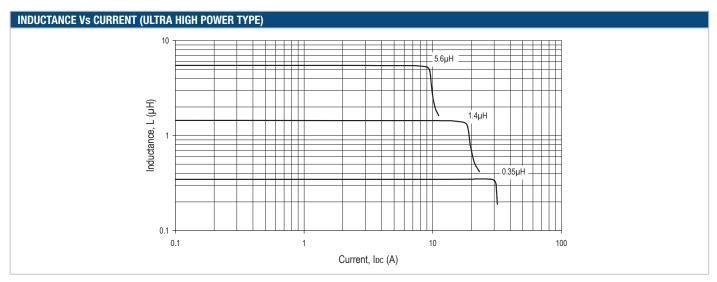
- 1 The maximum DC Current is the value at which the inductance falls to 65% (tolerance ±30%) or 75% (tolerance: ±20%) of its nominal value or until its temperature rise reaches 40°C, whichever is sooner.
- 2 The saturation current is the continuous current at 20°C ambient at which the inductance falls to 65% (tolerance: ±30%) or 75% (tolerance: ±20%) of its nominal value.
- 3 For further information, please visit www.murata-ps.com/rohs
- 4 Terminal 3 is open-circuit and for mounting stability only.



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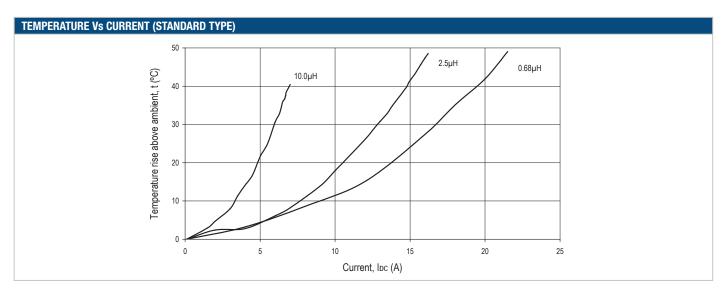


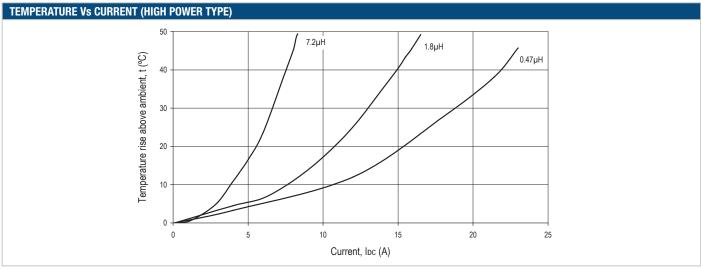


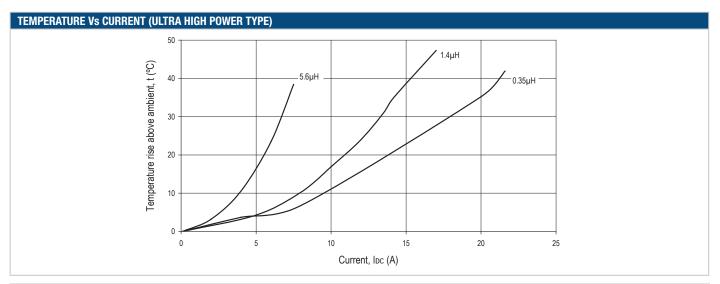
muRata Ps Murata Power Solutions

3900 Series

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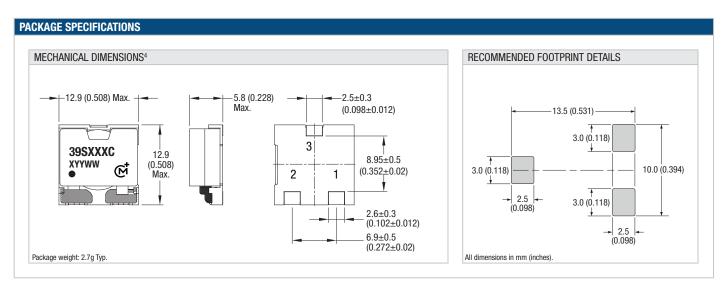


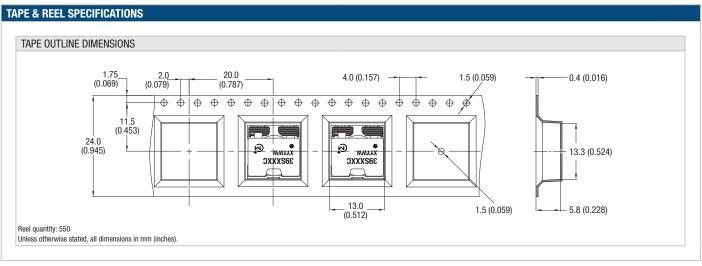






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