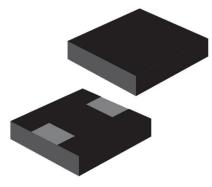


ECS-MPIL0630-3R3MC Datasheet

www.digi-electronics.com



DiGi Electronics Part Number

Manufacturer Product Number

Description

Manufacturer

Detailed Description

ECS-MPIL0630-3R3MC-DG

ECS Inc.

ECS-MPIL0630-3R3MC

FIXED IND 3.3UH 9.5A 22 MOHM SMD

3.3 μH Shielded Molded Inductor 9.5 A 22mOhm M ax Nonstandard

https://www.DiGi-Electronics.com



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Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
ECS-MPIL0630-3R3MC	ECS Inc.
Series:	Product Status:
ECS-MPIL0630	Active
Туре:	Material - Core:
Molded	
Inductance:	Tolerance:
3.3 µН	±20%
Current Rating (Amps):	Current - Saturation (Isat):
9.5 A	
Shielding:	DC Resistance (DCR):
Shielded	22mOhm Max
Q @ Freq:	Frequency - Self Resonant:
Ratings:	Operating Temperature:
Inductance Frequency - Test:	Features:
100 kHz	
Mounting Type:	Package / Case:
Surface Mount	Nonstandard
Supplier Device Package:	Size / Dimension:
	0.291" L x 0.260" W (7.40mm x 6.60mm)
Height - Seated (Max):	

0.118" (3.00mm)

Environmental & Export classification

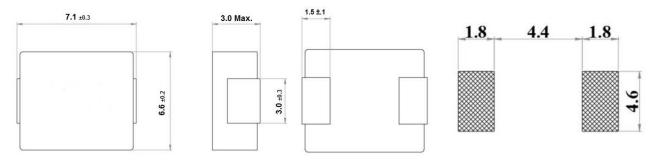
RoHS Status:	Moisture Sensitivity Level (MSL):
ROHS3 Compliant	1 (Unlimited)
REACH Status:	ECCN:
REACH Unaffected	EAR99
HTSUS:	
8504.50.8000	

ECS-MPIL0630

SMD Power Inductor



1.Mechanical Dimension [Unit : mm]



2. Electrical Characteristics

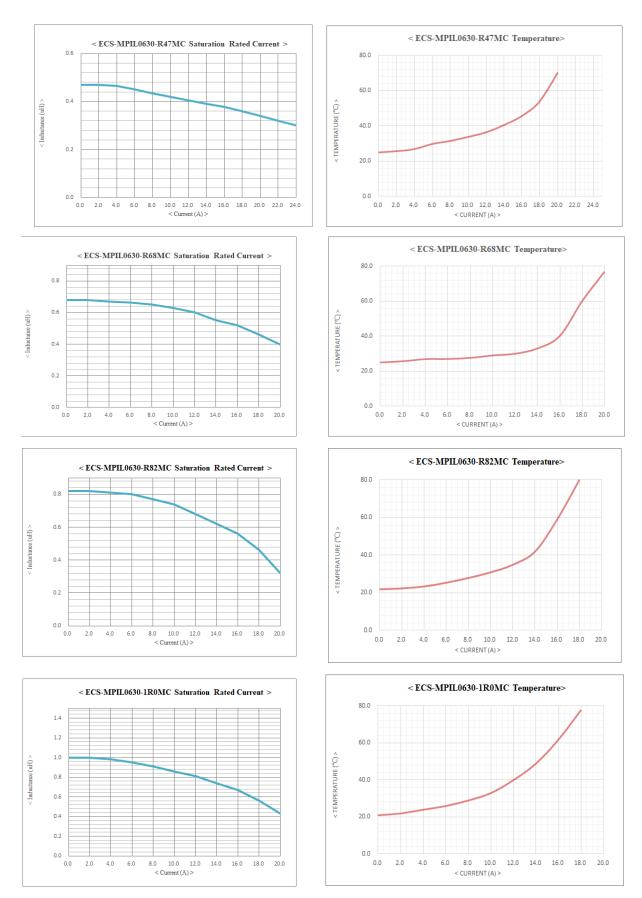
ECS-MPIL0630 Series

Part No.	Inductance (uH ±20%)	DC Resistance (mΩ MAX)	DC Resistance (mΩ TYP.)	Rated Curren (A MAX)	t Heat Rating Current DC(A)
ECS-MPIL0630-R47MC	0.47	4.1	3.4	20.0	18.0
ECS-MPIL0630-R56MC	0.56	4.5	4.25	18.0	16.5
ECS-MPIL0630-R68MC	0.68	5.3	4.8	17.0	16.0
ECS-MPIL0630-R82MC	0.82	6.0	5.4	16.0	14.0
ECS-MPIL0630-1R0MC	1.0	9.2	8.4	15.0	12.0
ECS-MPIL0630-1R5MC	1.5	12.1	10.6	14.0	10.0
ECS-MPIL0630-2R2MC	2.2	15.0	13.5	10.0	8.0
ECS-MPIL0630-3R3MC	3.3	22.0	18.0	9.5	6.5
ECS-MPIL0630-4R7MC	4.7	33.0	28.0	6.5	5.5
ECS-MPIL0630-5R6MC	5.6	42.0	37.5	6.3	4.8
ECS-MPIL0630-6R8MC	6.8	50.0	43.9	6.0	4.5
ECS-MPIL0630-100MC	10	68.0	62.0	5.5	4.0
ECS-MPIL0630-150MC	15	95.0	90.0	4.0	3.0
ECS-MPIL0630-220MC	22	135.0	125.0	3.0	2.5

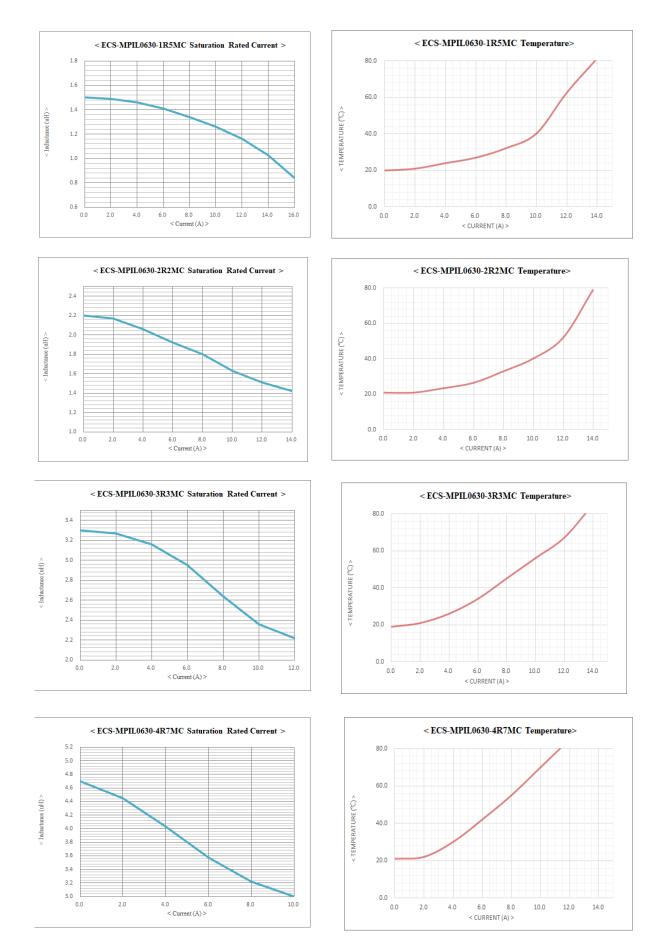
Storage and Operating Temperature: -40 \sim +125 ${\rm °C}$

Measuring Frequency (L) : 100KHz/0.1V

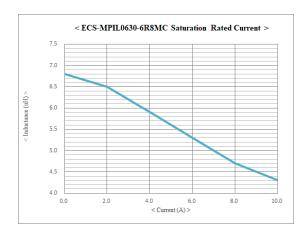
Rated Current: D.C. Current at which the Inductance drops 30%(MAX.) from its value without current

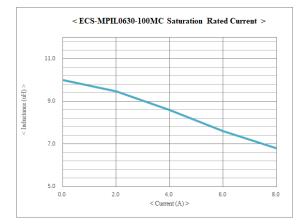


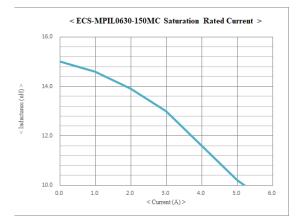
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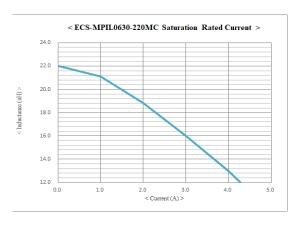


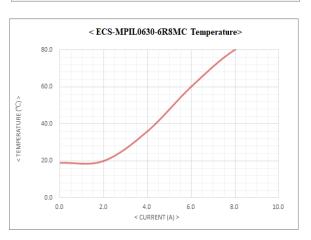
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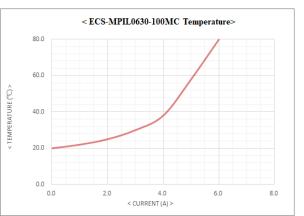


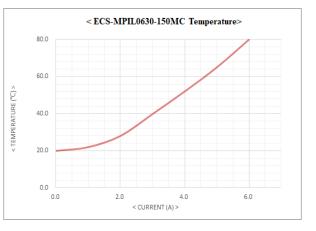


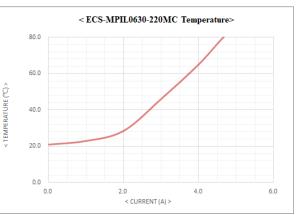






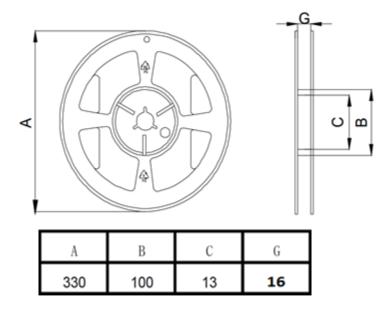




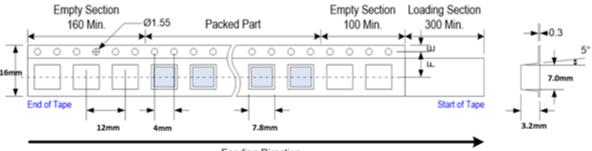


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7. REEL DIMENSION (mm)

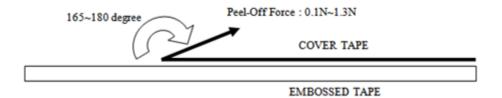


8. EMBOSSED TAPE DIME NSIONS (mm)



Feeding Direction

9. PEEL-OFF STRENGTH





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DCL	DCL	DCI	
QUALITY MANAGEMENT SYSTEM CERTIFICATE	ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE	OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM CERTIFICATE	の月生母道明書 CENTIFICATE OF INCOMPORATION
DIGI ELECTRONICS HK LIMITED	DIGI ELECTRONICS HK LIMITED	DIGI ELECTRONICS HK LIMITED	A. A. B. A. B. W. Thereby satisfy that
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