

3900 Series

Flat Coil SM Power Inductors



FEATURES

KOHS C	omplian	t
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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				
JLL		Inductance (100kHz, 0.1Vac)	DC Current ¹	Saturation Current ²	DC Resistance
	Order Code	±20%	Max.	Тур.	Max.
		μН	Α	A	mΩ
	39S681C	0.68 ±30%	19.5	20.4	1.9
e	39S152C	1.50 ±30%	13.5	14.0	2.5
<u></u>	39S252C	2.50	10.0	10.0	3.9
standard Type	39S402C	4.00	8.3	8.3	5.4
allo	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
be	39H102C	1.00	17.5	20.0	2.5
	39H182C	1.80	13.5	15.3	3.9
Š	39H282C	2.80	11.0	12.3	5.4
nign rower Type	39H402C	4.00	9.7	10.3	8.0
5	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
ype	39U801C	0.80 ±30%	18.0	25.7	2.5
Ultra Power Type	39U142C	1.40	13.5	19.2	3.9
M	39U222C	2.20	11.0	14.8	5.4
מ	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

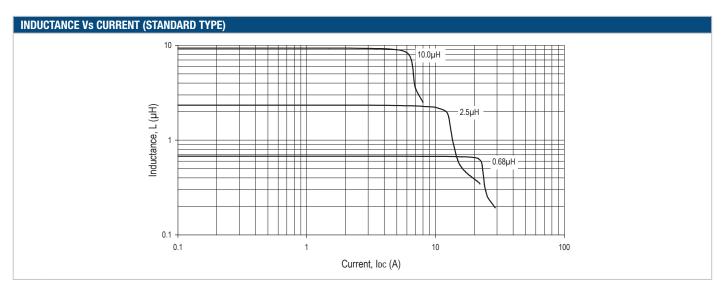


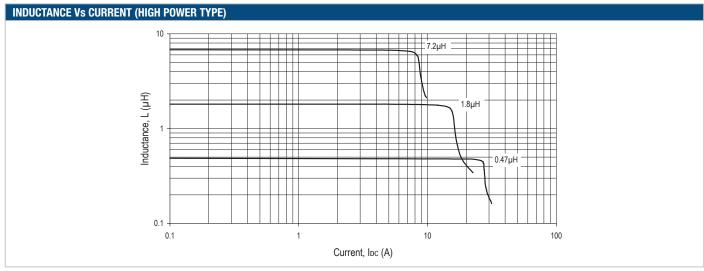


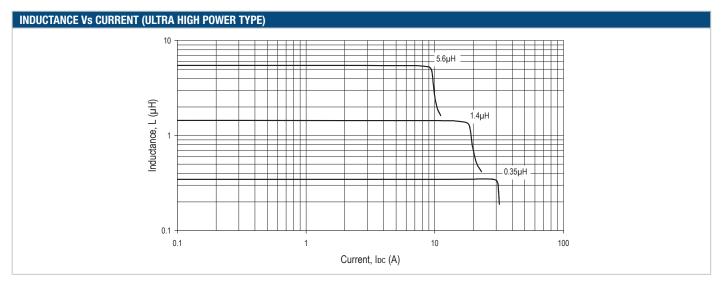
All specifications typical at $\rm T_A{=}25^{\circ}C$

- 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.

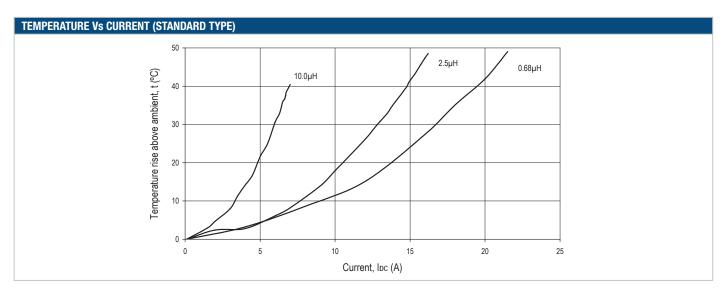
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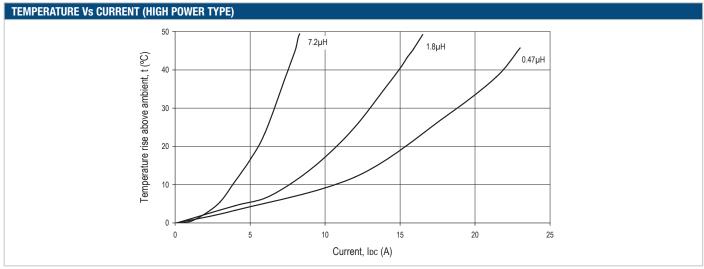


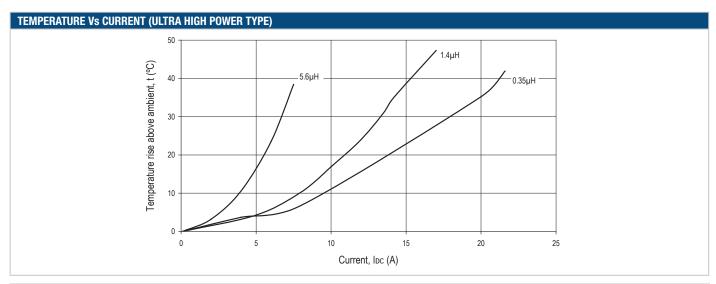




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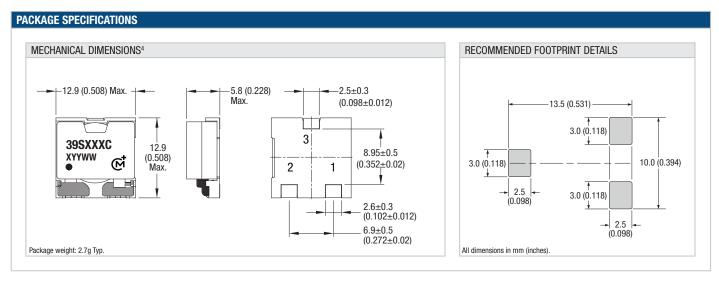


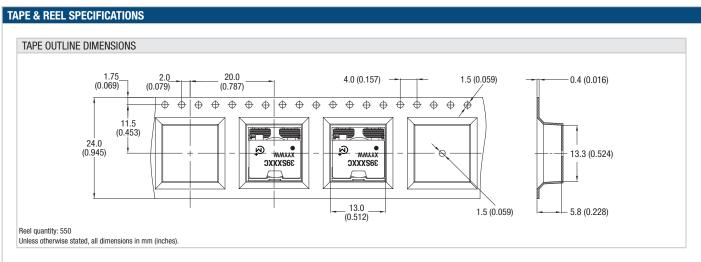






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