

## **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.

SEL	ECTION GUIDE				
	0	Inductance (100kHz, 0.1Vac)	DC Current <sup>1</sup>	Saturation Current <sup>2</sup>	DC Resistance
	Order Code	±20%	Max.	Typ.	Max.
		μH	Α	A	mΩ
	39S681C	0.68 ±30%	19.5	20.4	1.9
96	39S152C	1.50 ±30%	13.5	14.0	2.5
Type	39S252C	2.50	10.0	10.0	3.9
Standard	39S402C	4.00	8.3	8.3	5.4
and	39S602C	6.00	6.7	6.7	8.0
S	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
High Power Type	39H182C	1.80	13.5	15.3	3.9
OWE	39H282C	2.80	11.0	12.3	5.4
h P	39H402C	4.00	9.7	10.3	8.0
Hig	39H562C	5.60	8.2	8.8	11.4
	39H722C	7.20	6.6	7.8	13.5
JItra Power Type	39U351C	0.35 ±30%	19.5	35.0	1.9
	39U801C	0.80 ±30%	18.0	25.7	2.5
ار آ	39U142C	1.40	13.5	19.2	3.9
OWE	39U222C	2.20	11.0	14.8	5.4
a P	39U322C	3.20	9.7	12.8	8.0
Ħ	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 <sup>3</sup>					
Peak reflow temperature	245°C				
Pin finish	Matte tin				
Moisture sensitivity level	1				

PACKAGING INFORMATION	
Tape & Reel	550 per reel

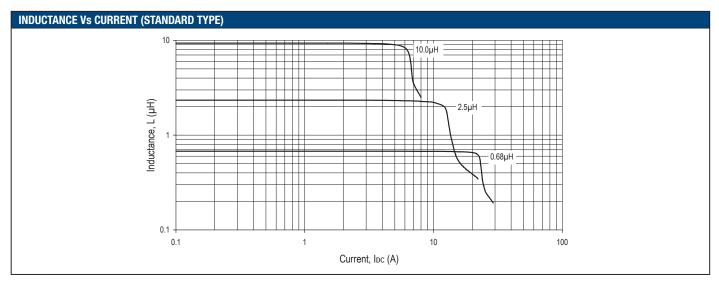
All specifications typical at T<sub>a</sub>=25°C

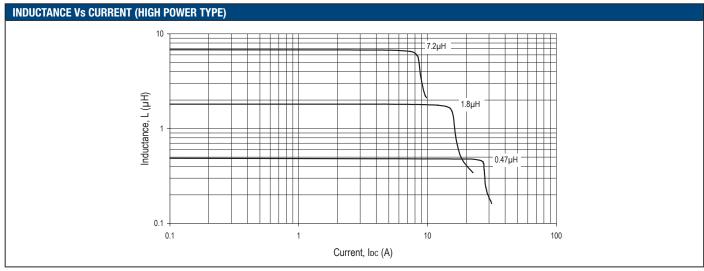
- 1 The maximum DC Current is the value at which the inductance falls to 65% (tolerance ±30%) or 75% (tolerance: ±20%) of its nominal value or until its temperature rise reaches 40°C, whichever is sooner.
- 2 The saturation current is the continuous current at 20°C ambient at which the inductance falls 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.

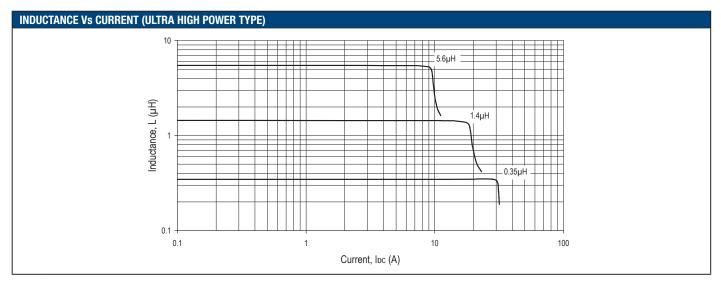




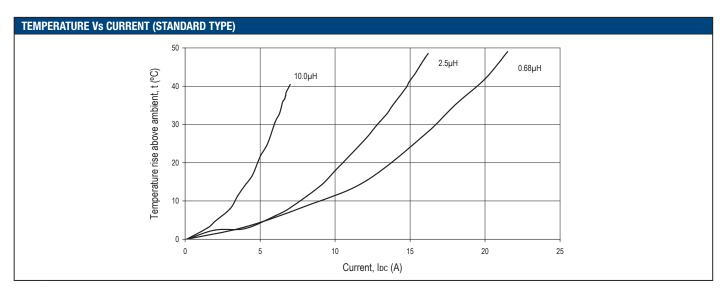
Flat Coil SM Power Inductors

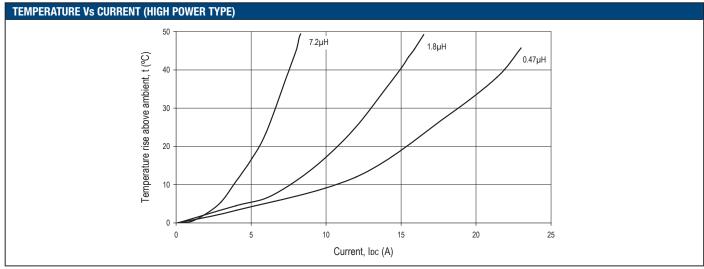


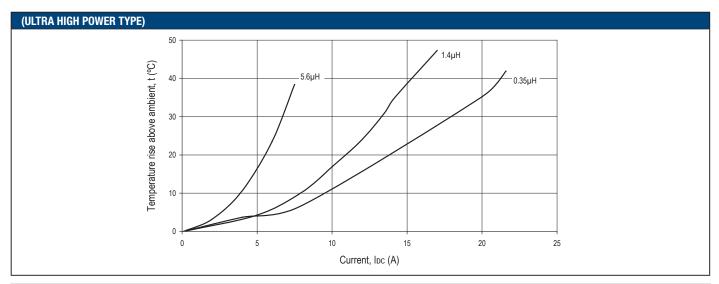




Flat Coil SM Power Inductors

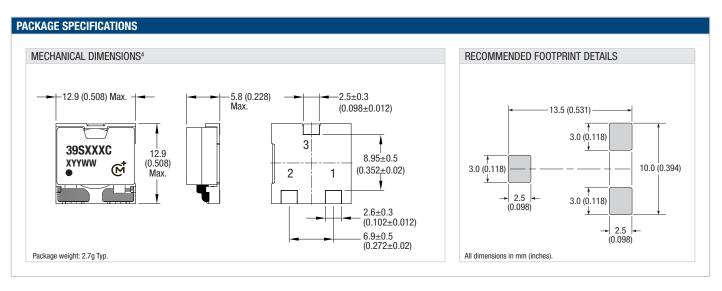


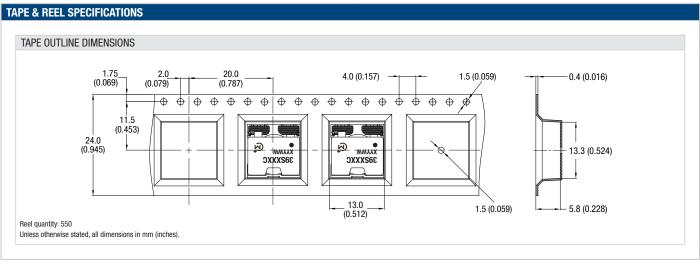






Flat Coil SM Power Inductors





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