







DESCRIPTION

soldering systems

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.

■ Backward compatible with Sn/Pb

SEL	ECTION GUIDE				
	Order Code	Inductance (100kHz, 0.1Vac)	DC Current ¹	Saturation Current ²	DC Resistance
	Order Code	±20%	Max.	Typ.	Max.
		μН	Α	Α	mΩ
	39S681C	0.68 ±30%	19.5	20.4	1.9
96	39S152C	1.50 ±30%	13.5	14.0	2.5
lype	39S252C	2.50	10.0	10.0	3.9
ard	39S402C	4.00	8.3	8.3	5.4
Standard	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
/pe	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
	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
OWE	39U222C	2.20	11.0	14.8	5.4
a P	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			

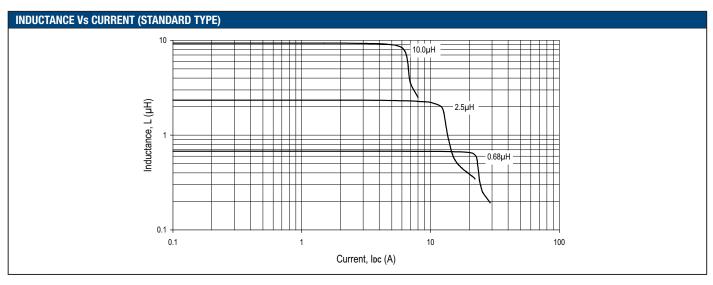
All specifications typical at T_a=25°C

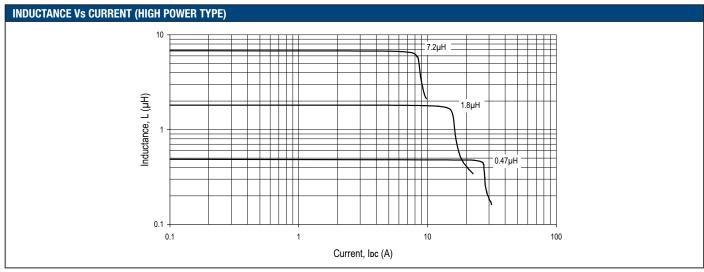
- 1 The maximum DC Current is the value at which the inductance falls to 65% (tolerance ±30%) or 75% (tolerance: ±20%) of its nominal value or until its temperature rise reaches 40°C, whichever is sooner.
- 2 The saturation current is the continuous current at 20°C ambient at which the inductance falls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

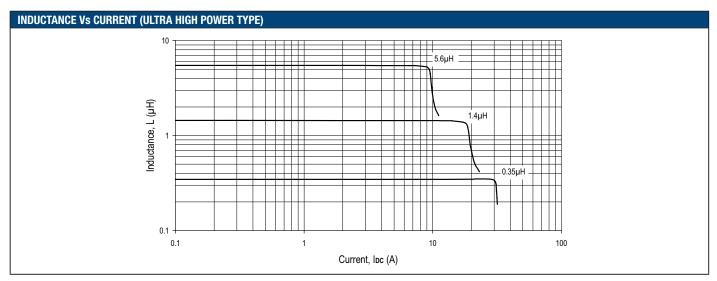




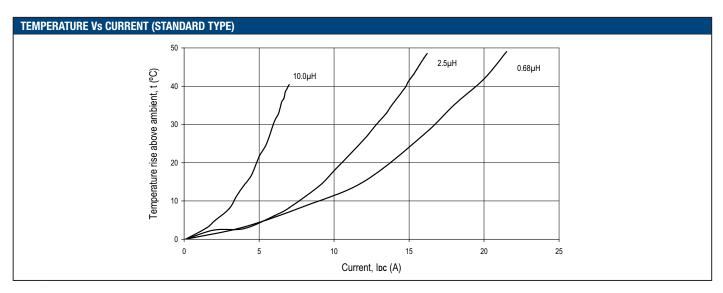
Flat Coil SM Power Inductors

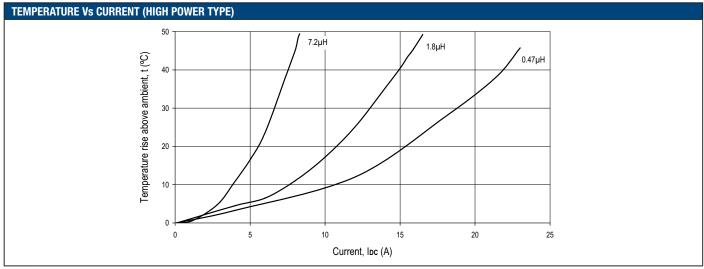


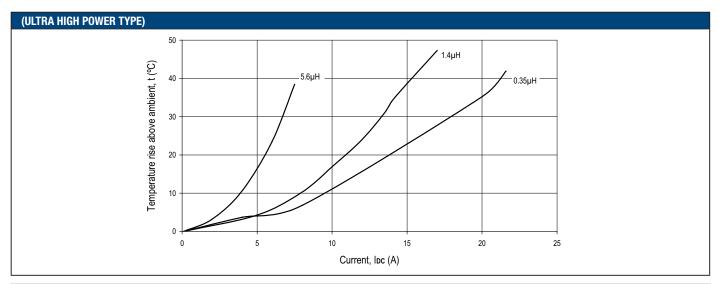




Flat Coil SM Power Inductors

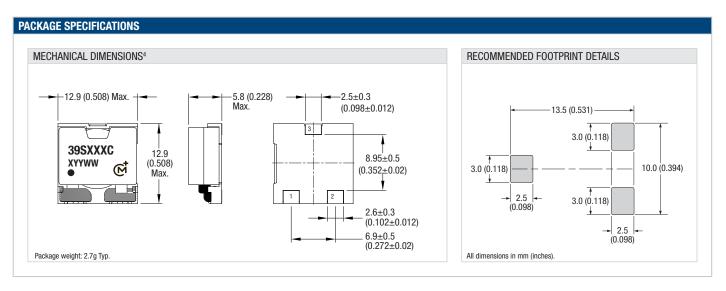


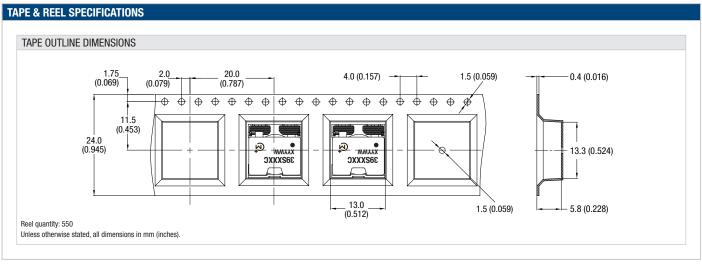






Flat Coil SM Power Inductors





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