







FEATURES

- RoHS compliant
- High current, low DCR
- Surface mount
- Pick & place compatible
- J-STD-020D reflow
- Backward compatible with Sn/Pb soldering systems

DESCRIPTION

The 3700 series is a range of surface mount, flat-coil wound power inductors. They are ideally suited for use where high current and low loss is essential, such as in laptop computers and plasma screens.

SELECTION GUIDE							
Order Code	Inductance (100kHz, 0.1Vac)	DC Current¹	Saturation Current ²	DC Resistance	Height		
	±10%	Max.	Тур.	Max.			
	μH	Α	Α	mΩ			
37301C	0.30 ±20%	19.5	39	0.9	Α		
37501C	0.50 ±20%	19.5	30	1.0	Α		
37951C	0.95 ±20%	18.0	25	1.3	В		
37112C	1.1	14.5	20	2.2	Α		
37142C	1.4	16.0	22	1.9	В		
37222C	2.2	11.5	15	4.0	Α		
37242C	2.4	12.0	16.5	3.0	В		
37302C	3.0	9.0	13	4.8	Α		
37392C	3.9	10.0	12	4.2	В		

ABSOLUTE MAXIMUM RATINGS	
Operating temperature range	-40°C to +130°C
Storage temperature range	-40°C to +150°C

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

PACKAGING INFORMATION					
Tono 9 Dool	Height A	Height B			
Tape & Reel	700 per reel	550 per reel			

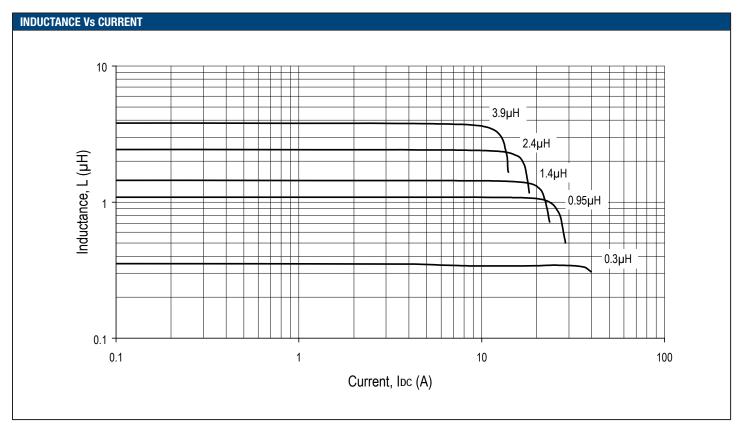
All specifications typical at T₄=25°C

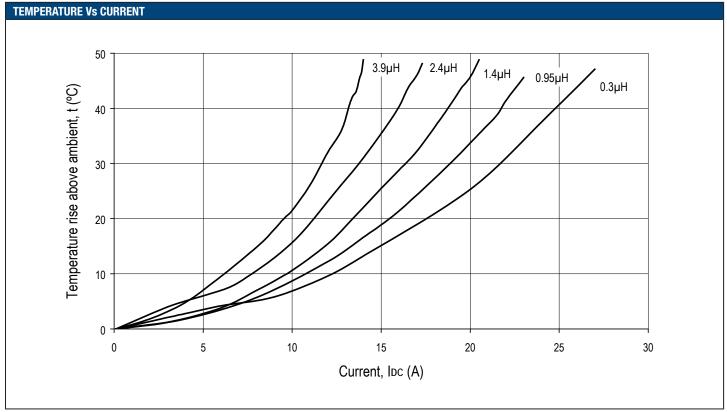
- 1 The maximum DC Current is the value at which the inductance falls to 80% of its zero current value, or when its temperature rise reaches 40°C, whichever is sooner.
- 2 Saturation current is the continuous current at 20°C ambient at which the inductance falls to 80% of its zero current value.
- 3 For further information, please visit www.murata-ps.com/rohs



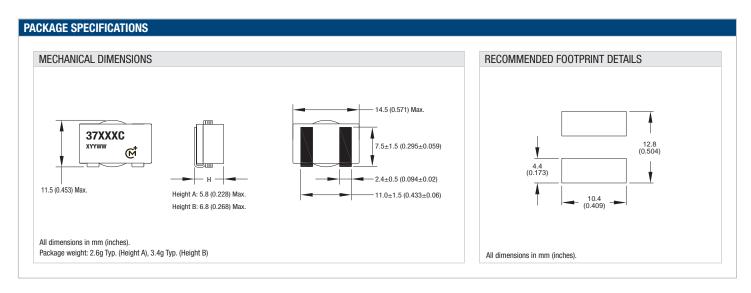


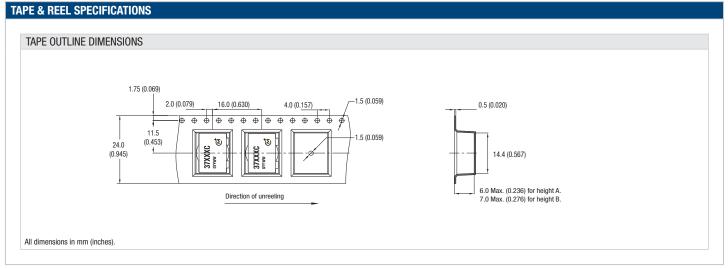
Flat Coil SM Power Inductors





Flat Coil SM Power Inductors





Murata Power Solutions, Inc. 11 Cabot Boulevard, Mansfield, MA 02048-1151 U.S.A. ISO 9001 and 14001 REGISTERED

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