

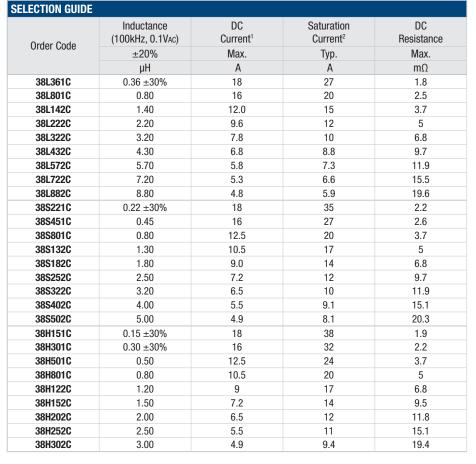


#### **FEATURES**

- RoHS compliant
- High current, low DCR
- Surface mount
- UL94 V-0 package materials
- Pick & place compatible
- J-STD-020D reflow
- Backward compatible with Sn/Pb soldering systems

#### DESCRIPTION

The 3800 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 in laptop computers and plasma screens.



ABSOLUTE MAXIMUM RATINGS	
Operating temperature range	-40°C to +130°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	650 per reel

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

- 1 The maximum DC Current is the value at which the inductance falls to 65% (tolerance  $\pm 30\%$ ) or 75%
- (tolerance: ±20%) of its zero current value or until its temperature rise reaches 40°C, whichever is sooner.
  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 zero current value.
- 3 For further information, please visit www.murata-ps.com/rohs
- 4 Terminal 3 is open-circuit and for mounting stability only.



www.murata-ps.com/support

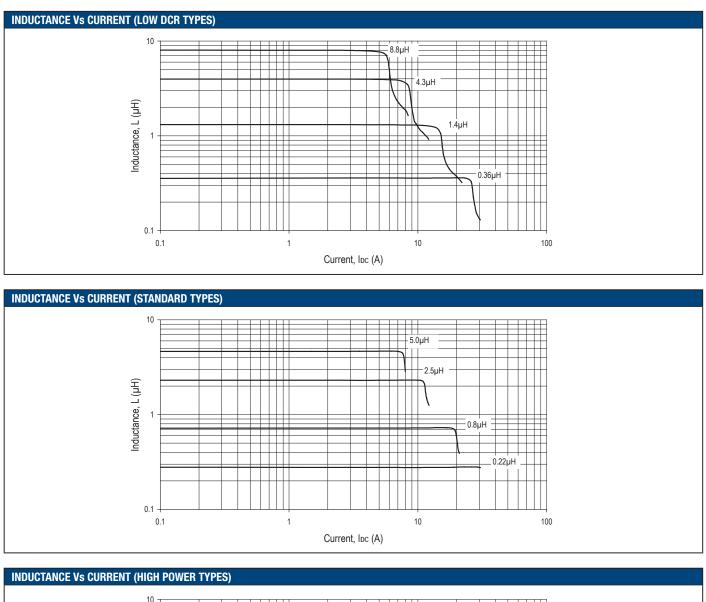
**3800 Series** 

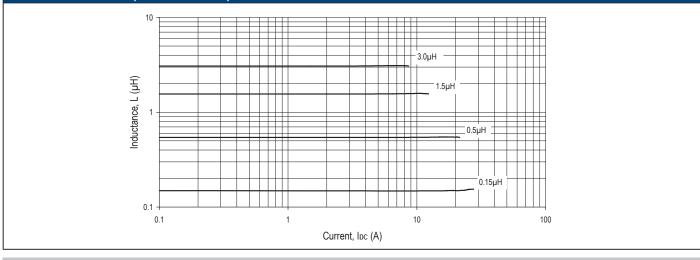
Flat Coil SM Power Inductors

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## **3800 Series**

Flat Coil SM Power Inductors





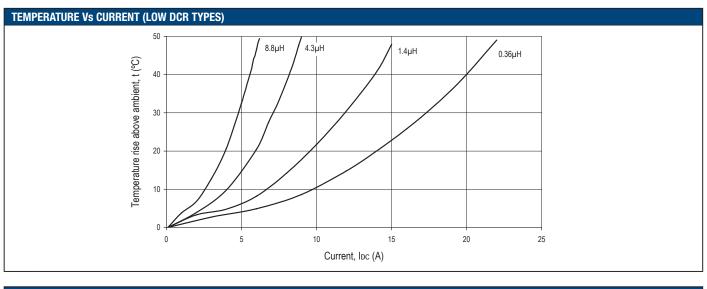
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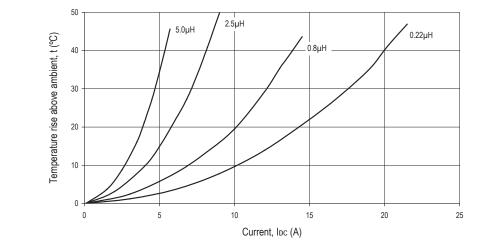
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# 3800 Series

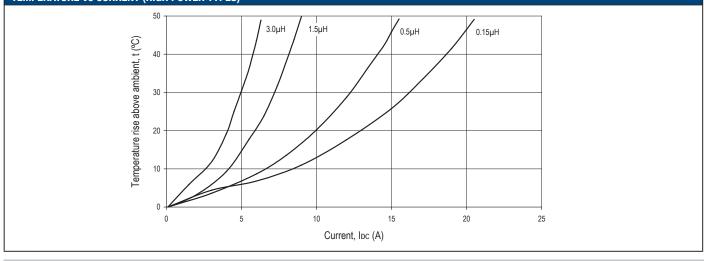
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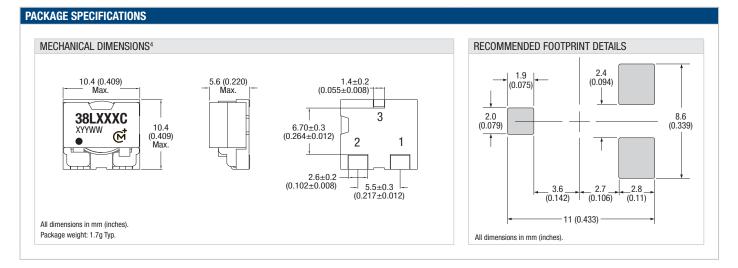
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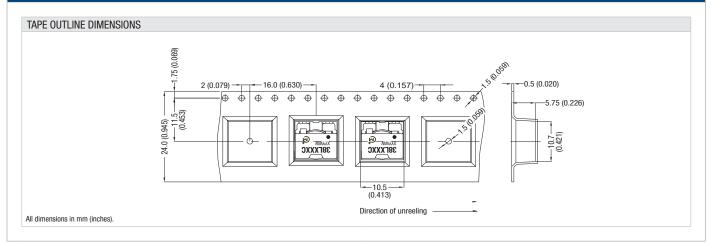
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## 3800 Series

Flat Coil SM Power Inductors



#### **TAPE & REEL SPECIFICATIONS**



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

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