



FEATURES

- RoHS compliant
- Toroidal construction
- Low radiated emissions
- Inductance range from 30μH to 220μH
- Up to 3.5A lpc
- UL 94V-0 package material

DESCRIPTION

The 803 series comprises six inductors which are ideal for applications where a high-quality, low-noise device is required. They are particularly suitable for use in switching power supplies and power filtering circuits.

SELECTION GUIDE

Order Code	Inductance	DC Current	DC Resistance	Outline Dimensions			Footprint
	±10%	Max.	Max.	a	b	c	Ød
	μH	A	Ω	mm (in)	mm (in)	mm (in)	mm (in)
80301C	75	1.0	0.10	22.0 (0.87)	11.0 (0.43)	0.56 (0.022)	1.1 (0.043)
80302C	150	1.0	0.14				
80303C	75	1.0	0.064	28.3 (1.11)	14.8 (0.58)	0.85 (0.033)	1.7 (0.067)
80304C	150	3.5	0.09				
80305C	30	2.0	0.60	22.0 (0.87)	11.0 (0.43)	0.56 (0.022)	1.1 (0.043)
80306C	220	3.0	0.10	28.3 (1.11)	14.8 (0.58)	0.85 (0.033)	1.7 (0.067)

ABSOLUTE MAXIMUM RATINGS

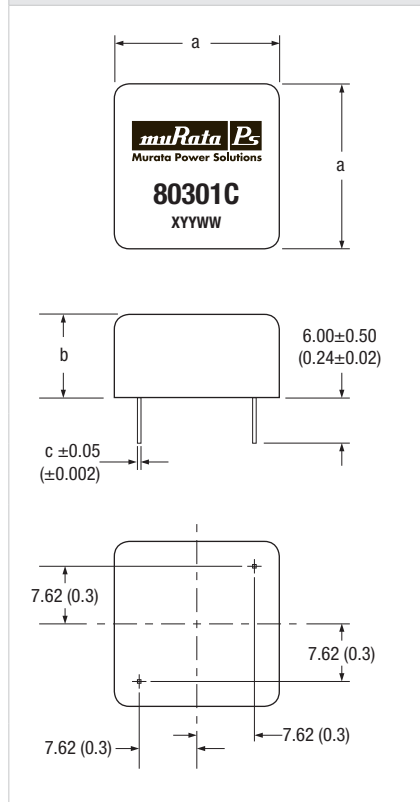
Operating free air temperature range	0°C to +70°C
Storage temperature range	-55°C to +125°C

SOLDERING INFORMATION¹

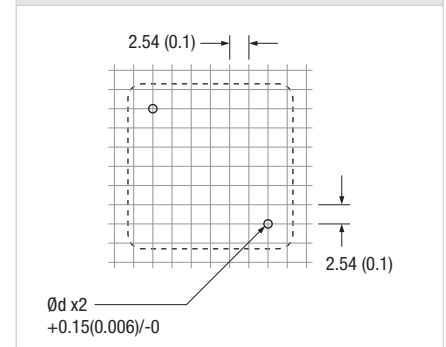
Peak wave solder temperature	300°C
Pin finish	Bright tin

PACKAGE SPECIFICATIONS

MECHANICAL DIMENSIONS



RECOMMENDED FOOTPRINT DETAILS



Unless otherwise stated, all dimensions in mm(inches) ±0.25(0.01)

All specifications typical at T_a=25°C

¹ For further information, please visit www.murata-ps.com/rohs



