



## FEATURES

- RoHS compliant
- Toroidal construction
- Low radiated emissions
- Inductance range from 30 $\mu$ H to 220 $\mu$ H
- 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
	$\pm 10\%$	Max.	Max.	a	b	c	$\varnothing d$
	$\mu$ H	A	$\Omega$	mm (in)	mm (in)	mm (in)	mm (in)
<b>80301C</b>	75	1.0	0.10	22.0 (0.87)	11.0 (0.43)	0.56 (0.022)	1.1 (0.043)
<b>80302C</b>	150	1.0	0.14				
<b>80303C</b>	75	1.0	0.064	28.3 (1.11)	14.8 (0.58)	0.85 (0.033)	1.7 (0.067)
<b>80304C</b>	150	3.5	0.09				
<b>80305C</b>	30	2.0	0.60	22.0 (0.87)	11.0 (0.43)	0.56 (0.022)	1.1 (0.043)
<b>80306C</b>	220	3.0	0.10	28.3 (1.11)	14.8 (0.58)	0.85 (0.033)	1.7 (0.067)

## ABSOLUTE MAXIMUM RATINGS

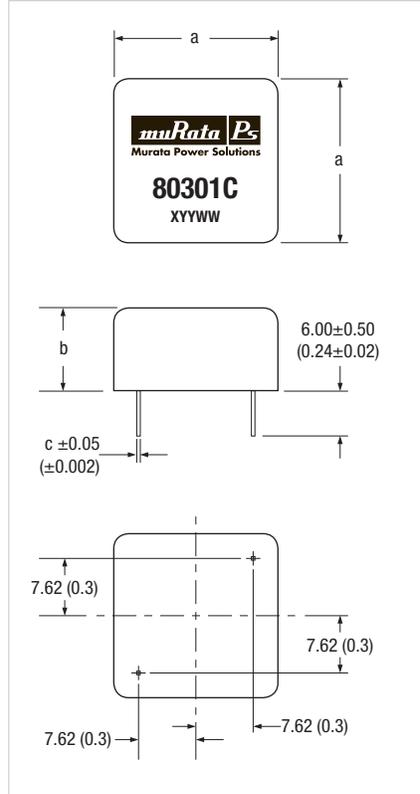
Operating free air temperature range	0°C to +70°C
Storage temperature range	-55°C to +125°C

## SOLDERING INFORMATION<sup>1</sup>

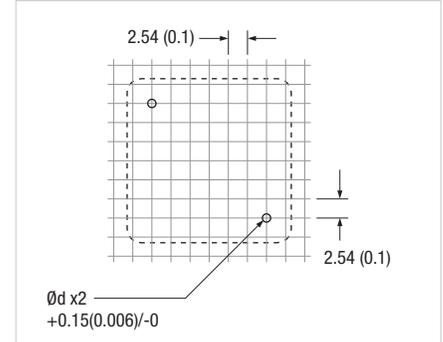
Peak wave solder temperature	300°C
Pin finish	Bright tin

## PACKAGE SPECIFICATIONS

### MECHANICAL DIMENSIONS



### RECOMMENDED FOOTPRINT DETAILS



Unless otherwise stated, all dimensions in mm(inches)  $\pm 0.25(0.01)$

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

<sup>1</sup> For further information, please visit [www.murata-ps.com/rohs](http://www.murata-ps.com/rohs)



