





## **FEATURES**

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

## **DESCRIPTION**

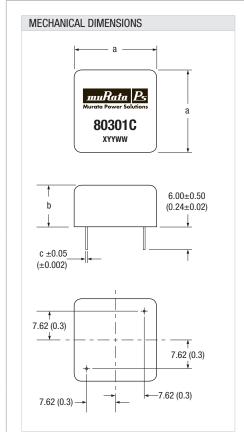
The 803 series comprises six inductors which are ideal for applications where a high-quality, low-noise device is required. They are particularly suitable for use in switching power supplies and power filtering circuits.

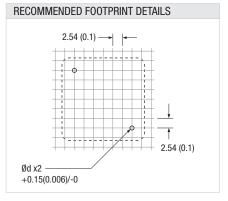
SELECTION GUIDE									
Order Code	Inductance	DC Current	DC Resistance	Outline Dimensions			Footprint		
	±10%	Max.	Max.	a	b	С	Ød		
	μН	Α	Ω	mm (in)	mm (in)	mm (in)	mm (in)		
80301C	75	1.0	0.10	22.0 (0.87)	11.0 (0.43)	0.56 (0.022)	1.1 (0.043)		
80302C	150	1.0	0.14	22.0 (0.07)					
80303C	75	1.0	0.064	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 INFORMATION <sup>1</sup>				
Peak wave solder temperature	300°C			
Pin finish	Bright tin			

## PACKAGE SPECIFICATIONS





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





All specifications typical at T<sub>a</sub>=25°C

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



## 803 Series

**Horizontal Mount Toroidal Inductors** 

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ISO 9001 and 14001 REGISTERED

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