# 5100 Series

**Common Mode Chokes** 



### **FEATURES**

- RoHS compliant
- Toroidal construction
- Up to 4.1A loc
- Inductance range from 0.5 to 5.0mH
- Small footprint
- UL 94V-0 packaging materials
- Low DC resistance
- Guaranteed 3.0mm creepage and clearance between windings

### **PRODUCT OVERVIEW**

The 5100 series is a range of through-hole common mode chokes designed to attenuate up to 100MHz common mode noise where line filtering is required, such as high current switching power supplies and telecom applications.



### www.murata.com

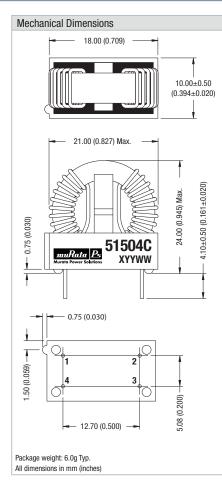
SELECTION GUIDE						
Order Code	Inductance		DC Current	DC Resistance	Leakage Inductance	
	Nom.	Range	Max.	Max.	Max.	
	mH	mH	A	mΩ	μH	
51504C	0.5	0.37-0.68	4.1	27	9	
51105C	1.0	0.75-1.39	3.3	38	18	
51305C	3.0	2.16-4.02	1.9	97	45	
51505C	5.0	3.62-6.73	1.2	197	75	

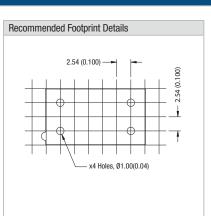
## ABSOLUTE MAXIMUM RATINGS

Operating free air temperature range	-40°C to 125°C
Storage temperature range	-40°C to 125°C
Isolation voltage	1500Vrms

SOLDERING INFORMATION <sup>1</sup>	
Peak wave solder temperature	
Pin finish	

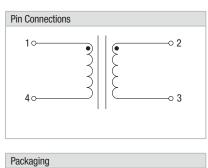
### PACKAGE SPECIFICATIONS





260°C

Tin



Supplied in trays (60 pieces per tray)

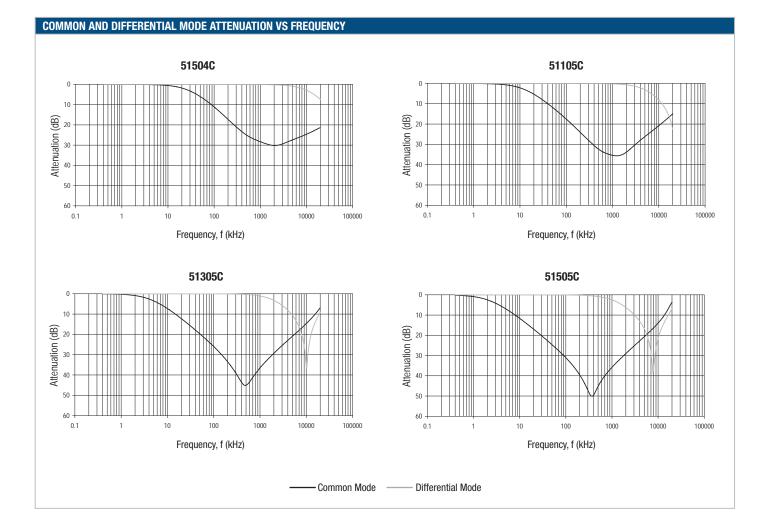
Specifications typical at  $T_A = 25^{\circ}C$ 1 For further information, please visit www.murata-ps.com/rohs

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- Data Processing equipment

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