





- 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.

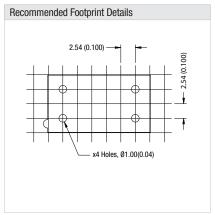
SELECTION GUIDE								
Order Code	Inductance		DC Current	DC Resistance	Leakage Inductance			
	Nom.	Range	Max.	Max.	Max.			
	mH	mH	Α	mΩ	μН			
51504C	0.5	0.37-0.68	4.1	27	9			
51105C	1.0	0.75-1.39	3.3	38	18			
51305C	3.0	2.16-4.02	1.9	97	45			
51505C	5.0	3.62-6.73	1.2	197	75			

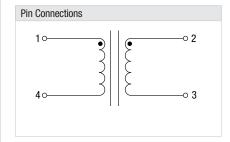
ABSOLUTE MAXIMUM RATINGS					
Operating free air temperature range	-40°C to 125°C				
Storage temperature range	-40°C to 125°C				
Isolation voltage	1500Vrms				

SOLDERING INFORMATION <sup>1</sup>				
Peak wave solder temperature	260°C			
Pin finish	Tin			

## **Mechanical Dimensions** 18.00 (0.709) 10.00±0.50 (0.394±0.020) 21.00 (0.827) Max. 0.75 (0.030)







Packaging	
Supplied in trays (60 pieces per tray)	





Specifications typical at  $T_A = 25$ °C

Package weight: 6.0g Typ. All dimensions in mm (inches)

.50 (0.059)

PACKAGE SPECIFICATIONS

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

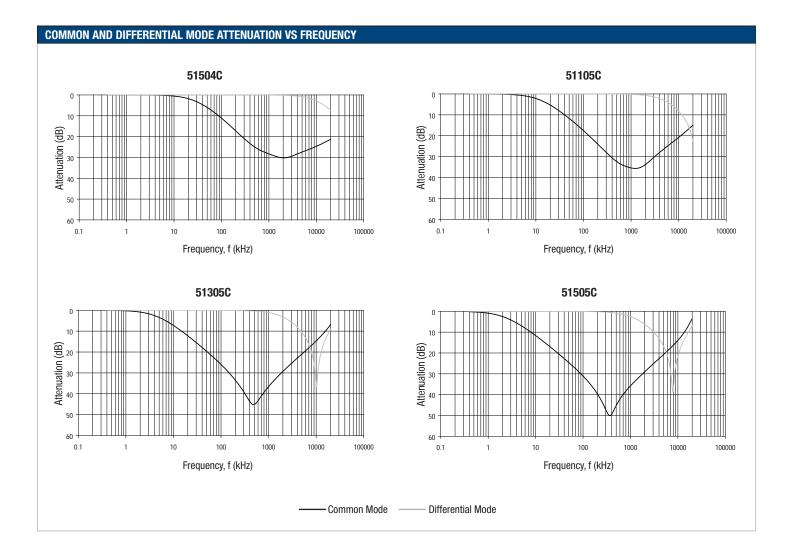
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0.75 (0.030)



**Common Mode Chokes** 



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