5100 Series

Common Mode Chokes





LATORIES

- 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

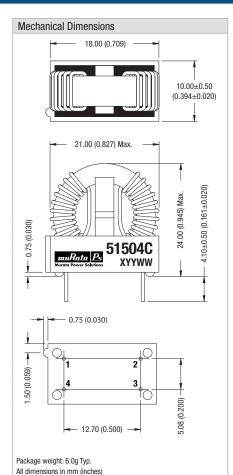
The 5100 series is a range of through-hole common mode chokes designed to attenuate up to 100MHz common mode noise where line filtering is required, such as high current switching power supplies and telecom applications.

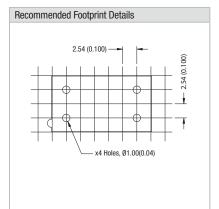
SELECTION GUIDE							
Order Code	Inductance		DC Current	DC Resistance	Leakage Inductance		
	Nom.	Range	Max.	Max.	Max.		
	mH	mH	Α	mΩ	μΗ		
51504C	0.5	0.37-0.68	4.1	27	9		
51105C	1.0	0.75-1.39	3.3	38	18		
51305C	3.0	2.16-4.02	1.9	97	45		
51505C	5.0	3.62-6.73	1.2	197	75		

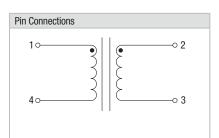
ABSOLUTE MAXIMUM RATINGS				
Operating free air temperature range	-40°C to 125°C			
Storage temperature range	-40°C to 125°C			
Isolation voltage	1500Vrms			

SOLDERING INFORMATION ¹			
Peak wave solder temperature	260°C		
Pin finish	Tin		

PACKAGE SPECIFICATIONS







Packaging
Supplied in trays (60 pieces per tray)

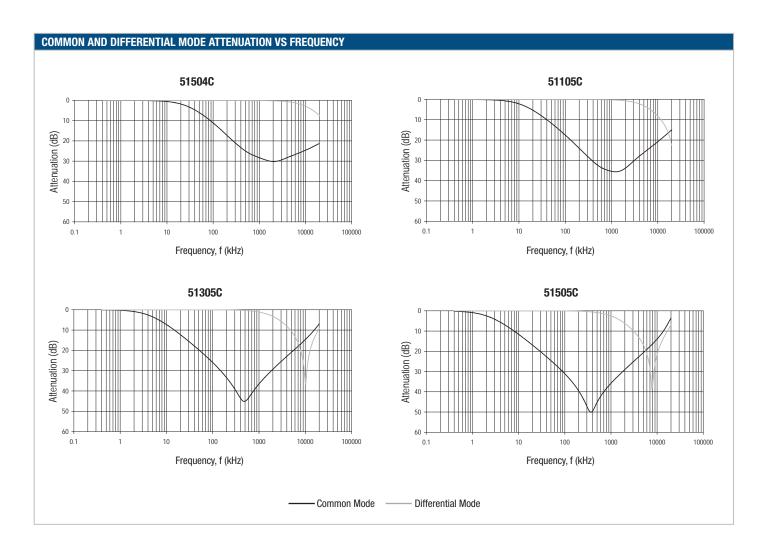




Specifications typical at $T_A = 25$ °C

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

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- Undersea equipment
- Power plant control equipment
- Medical equipment
- Transportation equipment (automobiles, trains, ships, etc.)
- Traffic signal equipment
- Disaster prevention / crime prevention equipment
- Data Processing equipment

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