5100 Series

Common Mode Chokes

 	olutions
	515050

muRata Ps

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

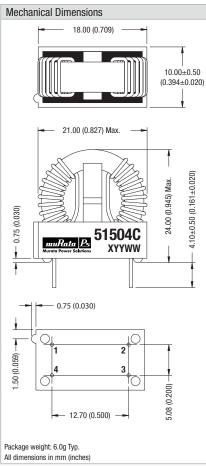
SELECTION GUIDE							
Order Code	Inductance		DC Current	DC Resistance	Leakage Inductance		
Ulder Code	Nom.	Range	Max.	Max.	Max.		
	mH	mH	А	mΩ	μH		
51504C	0.5	0.37-0.68	4.1	27	9		
51105C	1.0	0.75-1.39	3.3	38	18		
51305C	3.0	2.16-4.02	1.9	97	45		
51505C	5.0	3.62-6.73	1.2	197	75		

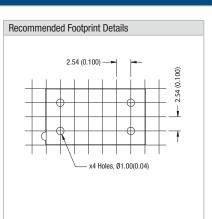
ABSOLUTE MAXIMUM RATINGS

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

SOLDERING INFORMATION ¹	
Peak wave solder temperature	
Pin finish	

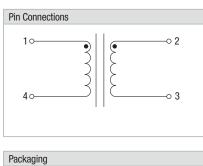
PACKAGE SPECIFICATIONS





260°C

Tin



Supplied in trays (60 pieces per tray)

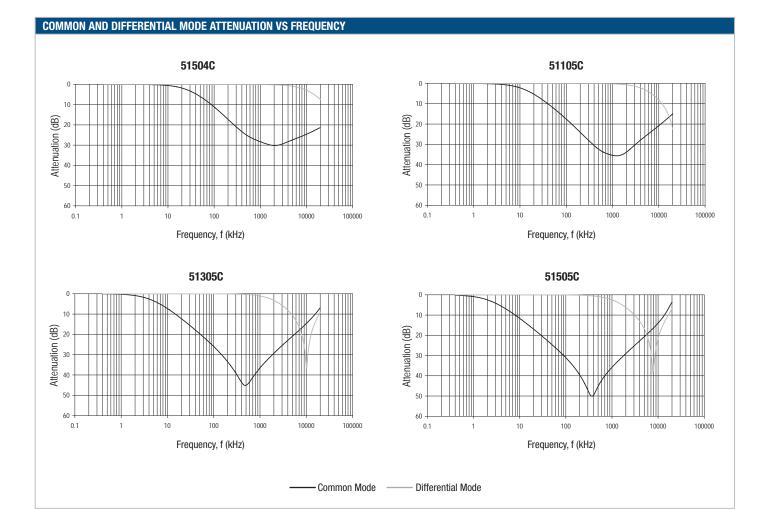
1 For further information, please visit www.murata-ps.com/rohs

Specifications typical at $T_{A} = 25^{\circ}C$

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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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