

FEATURES

- RoHS compliant
- Toroidal construction
- Up to 4.1A Ioc
- 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. mH	Range mH	Max. A	Max. mΩ	Max. 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

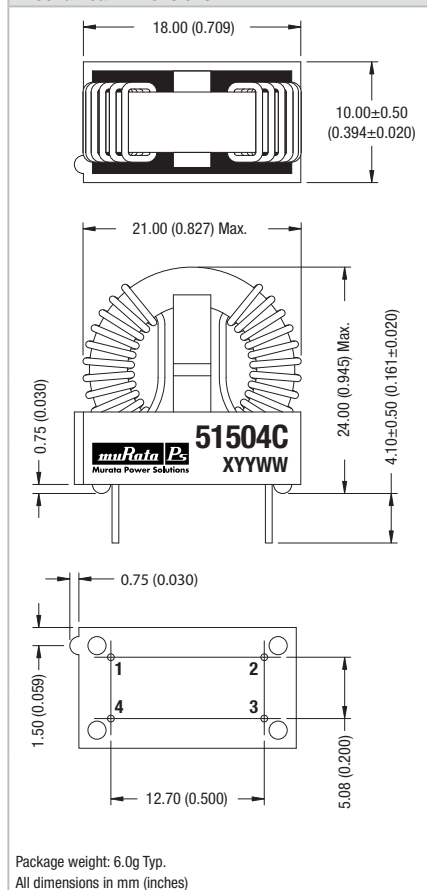
Operating free air temperature range	-40°C to 125°C
Storage temperature range	-40°C to 125°C
Isolation voltage	1500Vrms

SOLDERING INFORMATION¹

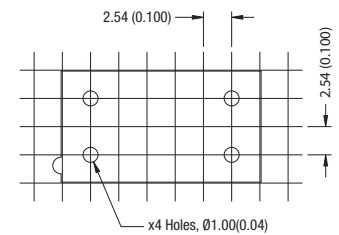
Peak wave solder temperature	260°C
Pin finish	Tin

PACKAGE SPECIFICATIONS

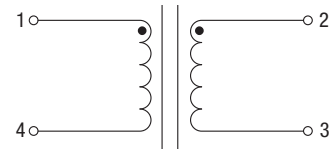
Mechanical Dimensions



Recommended Footprint Details



Pin Connections



Packaging

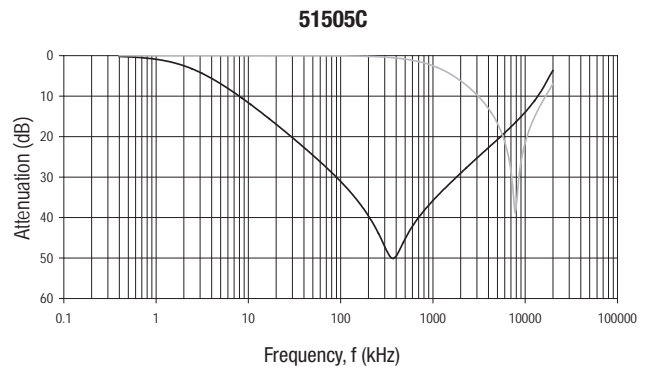
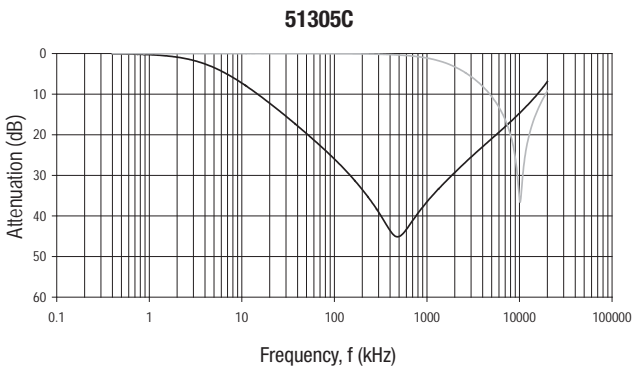
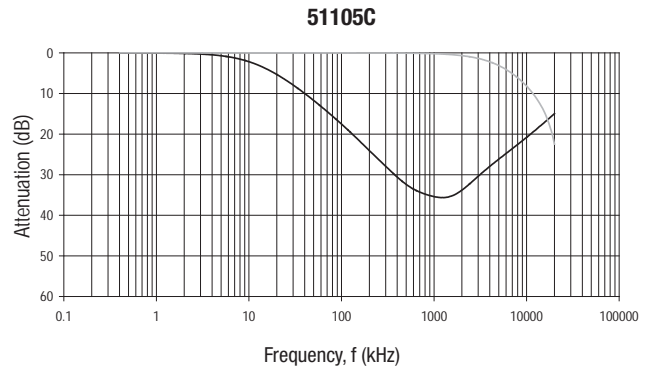
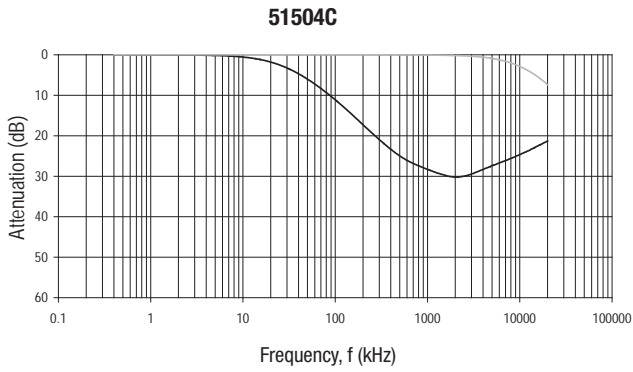
Supplied in trays (60 pieces per tray)



For full details go to
www.murata-ps.com/rohs

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

COMMON AND DIFFERENTIAL MODE ATTENUATION VS FREQUENCY



— Common Mode - - - Differential Mode

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- Traffic signal equipment
- Disaster prevention / crime prevention equipment
- Data Processing equipment

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