



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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FEATURES

- RoHS compliant
- Inductance range from 0.25μH to 1.5μH
- Small footprint
- Ultra-low profile
- UL 94V-0 packaging materials
- Custom inductance values available

PRODUCT OVERVIEW

The 3500 series is a range of flat-coil power inductors. They are ideal for high power designs which demand reliability in high temperature environments. Used to provide filtering or energy storage, they are suited to many power applications including portable devices, computers and telecom equipment.

SELECTION GUIDE

Order Code	Inductance, L	DC Current ²	DC Resistance
	±25%	Max.	Max.
	μH	A	mΩ
35251C	0.25	15.5	4.5
35501C	0.50	11.5	7.0
35801C	0.80	9.5	10
35112C	1.10	8.0	15
35152C	1.50	6.5	19

ABSOLUTE MAXIMUM RATINGS

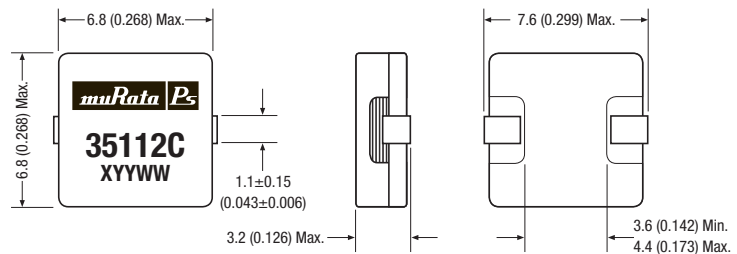
Operating free air temperature range	-40°C to 125°C
Storage temperature range	-40°C to 150°C

SOLDERING INFORMATION¹

Peak reflow solder temperature	250°C
Pin finish	Tin dip
Moisture sensitivity level	1

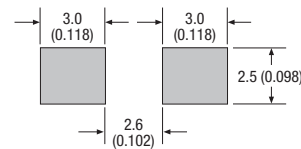
PACKAGE SPECIFICATIONS

Mechanical Dimensions



Package weight: 0.6g Typ.

Recommended Footprint Details



Unless otherwise stated, all dimensions in mm (inches) ± 0.25 (0.010).

Specifications typical at $T_a = 25^\circ\text{C}$

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

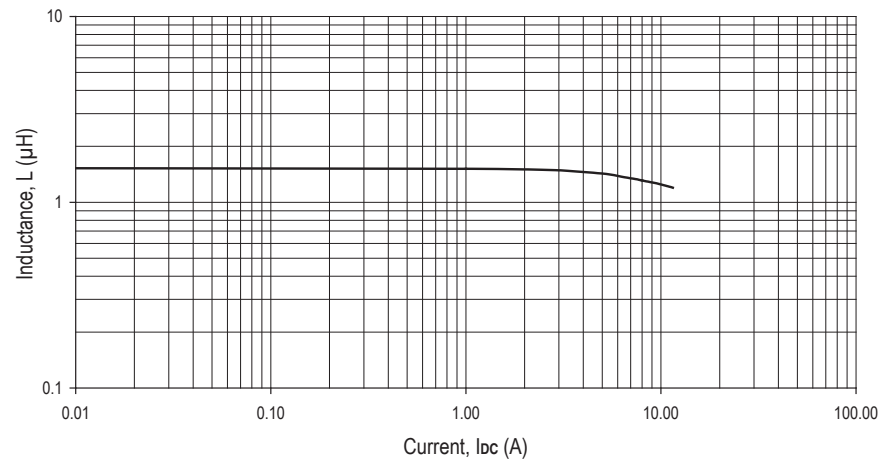
² The maximum DC current is the value at which the inductance falls to 75% of its nominal value or when its temperature rise reaches 40°C, whichever is sooner.



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

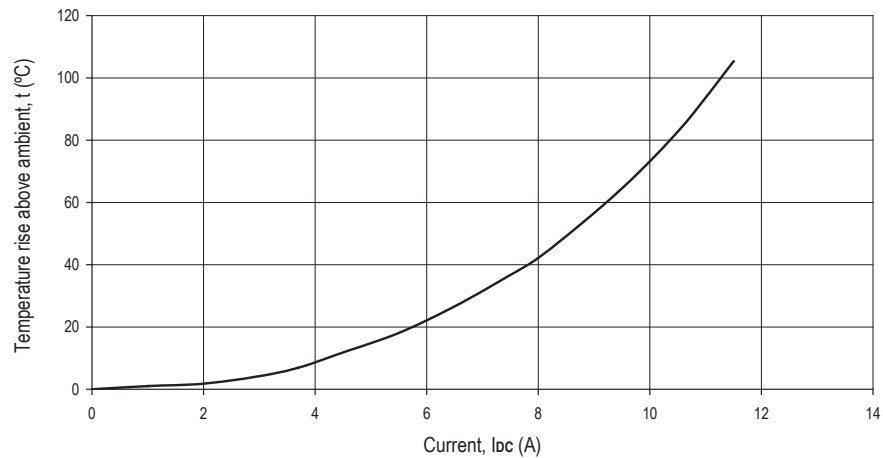
INDUCTANCE Vs CURRENT

35152C
Typical performance characteristics



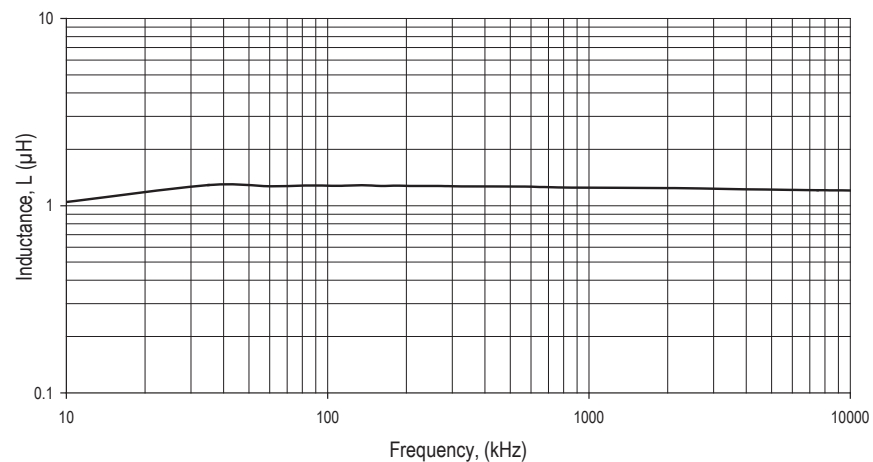
TEMPERATURE Vs CURRENT

35152C
Typical performance characteristics



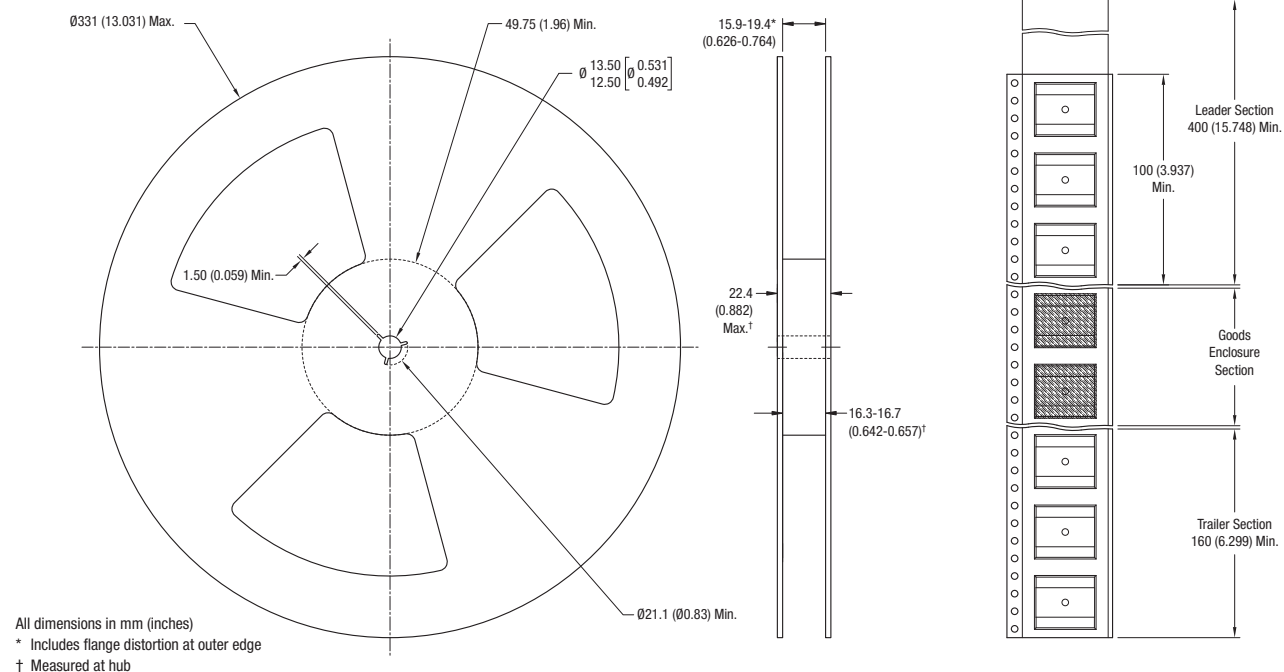
INDUCTANCE Vs FREQUENCY

35152C
Typical performance characteristics

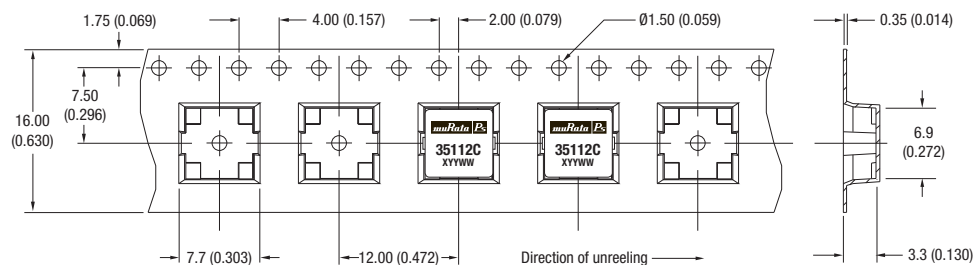


PACKAGE SPECIFICATIONS

Mechanical Dimensions



Tape Outline Dimensions



Reel quantity: 1400

Unless otherwise stated, all dimensions in mm (inches).

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ISO 9001 and 14001 REGISTERED

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