



FEATURES

- RoHS compliant
- Inductance range from 0.4μH to 4.7μH
- Small footprint
- Low profile
- UL 94V-0 packaging materials
- Custom inductance values available

PRODUCT OVERVIEW

The 3600 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
36401C	0.40	14.5	4
36601C	0.60	12.5	5
36102C	1.00	9.5	7.5
36182C	1.80	7.0	14
36232C	2.30	6.0	20
36332C	3.30	4.6	35
36472C	4.70	3.6	41

ABSOLUTE MAXIMUM RATINGS

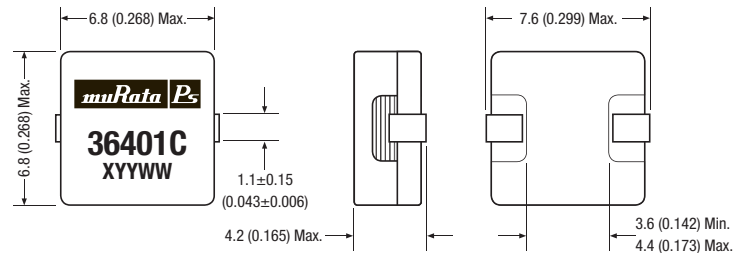
Operating free air temperature range	-40°C to 125°C
Storage temperature range	-40°C to 150°C

SOLDERING INFORMATION¹

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

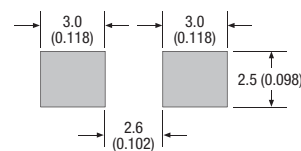
PACKAGE SPECIFICATIONS

Mechanical Dimensions



Package weight: 0.8g 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

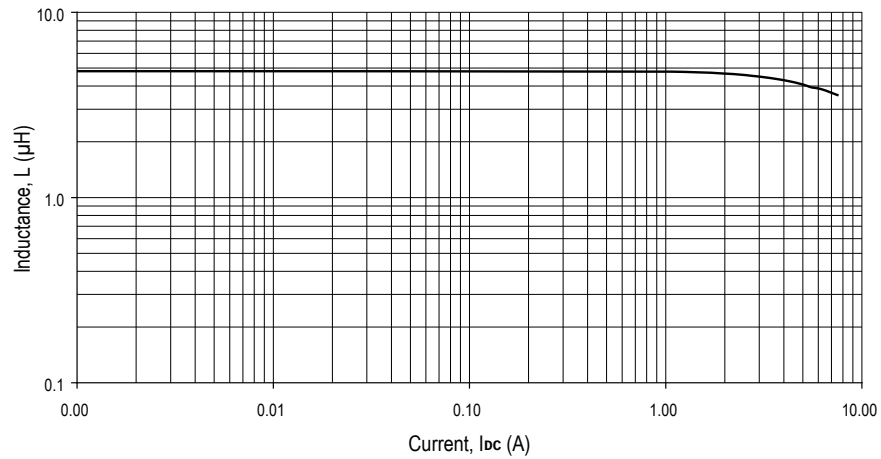
² The maximum DC current is the value at which the inductance falls to 75% of its nominal value or when its temperature rise reaches 40°C, whichever is sooner.



INDUCTANCE Vs CURRENT

36472C

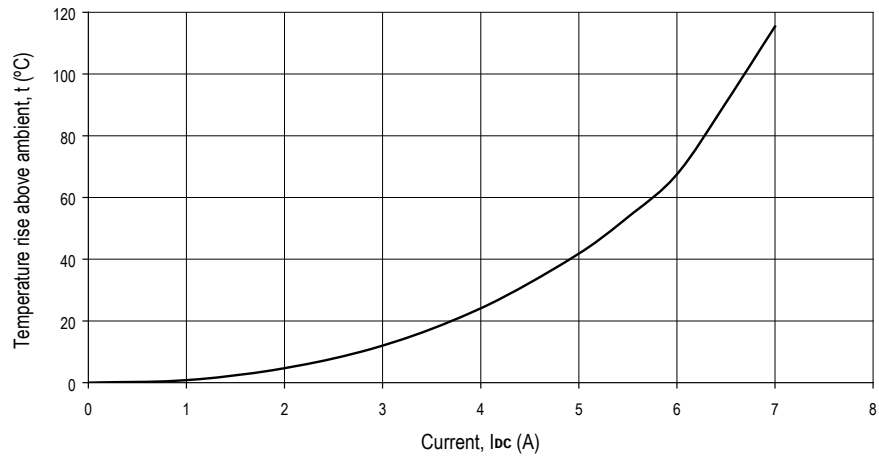
Typical performance characteristics



TEMPERATURE Vs CURRENT

36472C

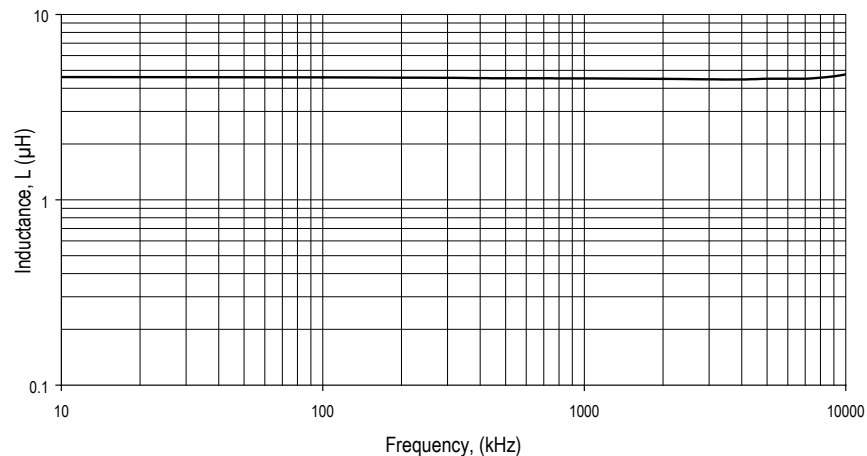
Typical performance characteristics



INDUCTANCE Vs FREQUENCY

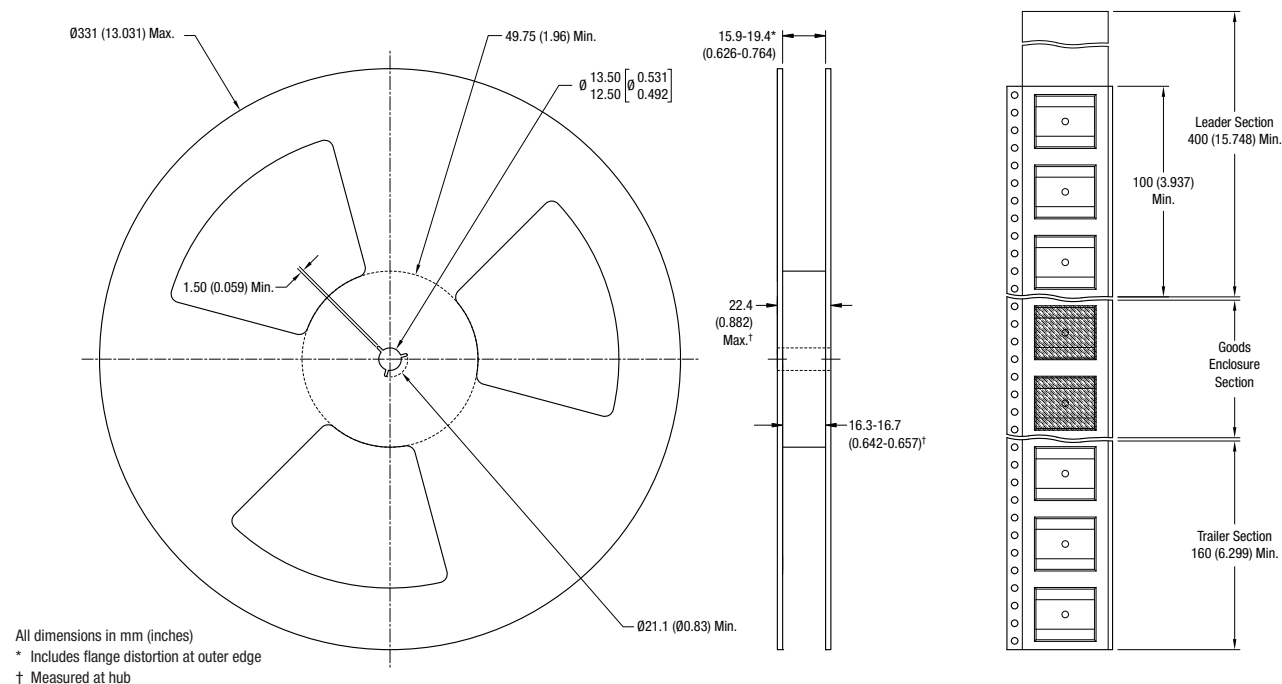
36472C

Typical performance characteristics

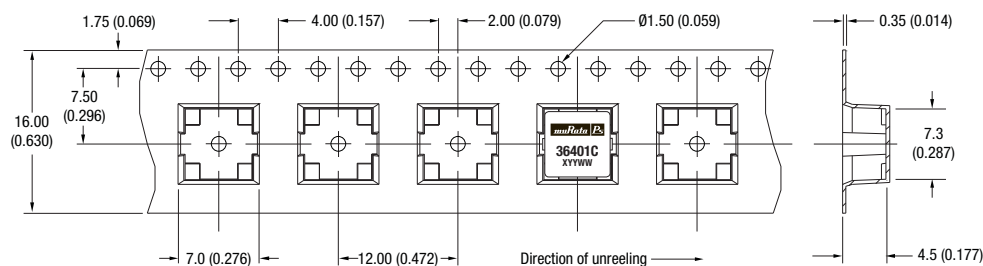


PACKAGE SPECIFICATIONS

Mechanical Dimensions



Tape Outline Dimensions



Reel quantity: 1000
Unless otherwise stated, all dimensions in mm (inches).

Murata Power Solutions, Inc.
11 Cabot Boulevard, Mansfield, MA 02048-1151 U.S.A.
ISO 9001 and 14001 REGISTERED

Murata Power Solutions, Inc. makes no representation that the use of its products in the circuits described herein, or the use of other technical information contained herein, will not infringe upon existing or future patent rights. The descriptions contained herein do not imply the granting of licenses to make, use, or sell equipment constructed in accordance therewith. Specifications are subject to change without notice.
© 2011 Murata Power Solutions, Inc.