



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

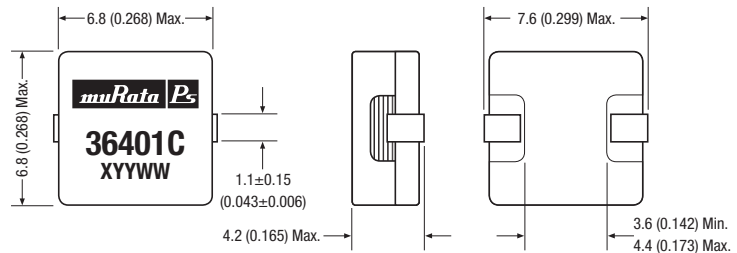
Operating free air temperature range	-40°C to 125°C
Storage temperature range	-40°C to 150°C

SOLDERING INFORMATION¹

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

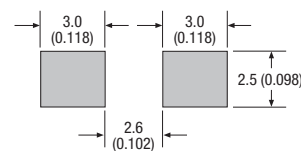
PACKAGE SPECIFICATIONS

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

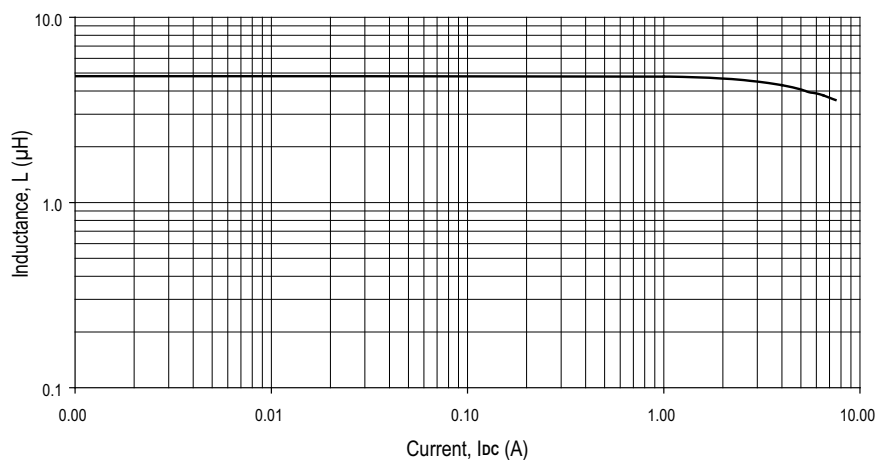
² The maximum DC current is the value at which the inductance falls to 75% of its nominal value or when its temperature rise reaches 40°C, whichever is sooner.



INDUCTANCE Vs CURRENT

36472C

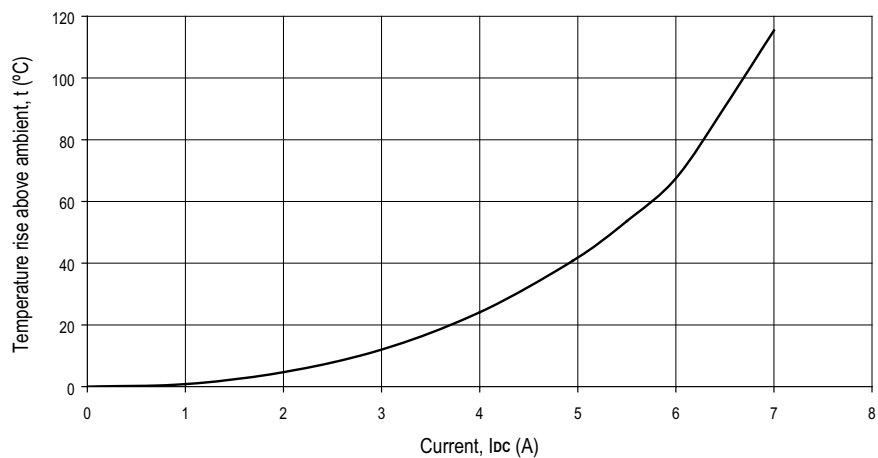
Typical performance characteristics



TEMPERATURE Vs CURRENT

36472C

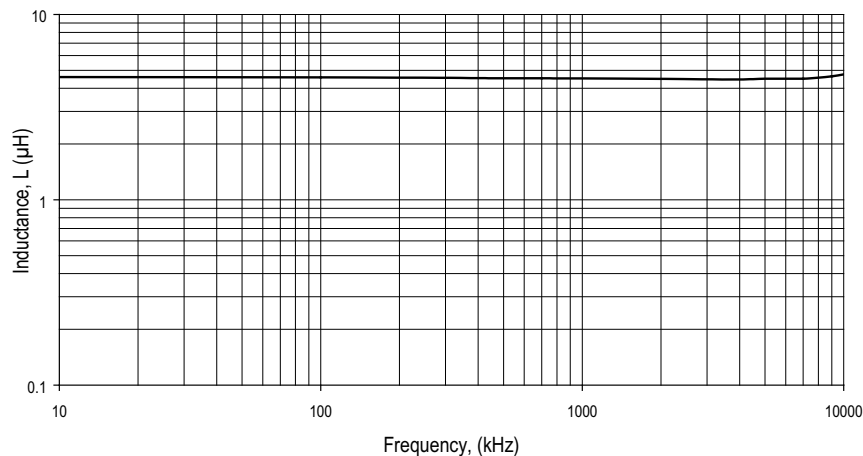
Typical performance characteristics



INDUCTANCE Vs FREQUENCY

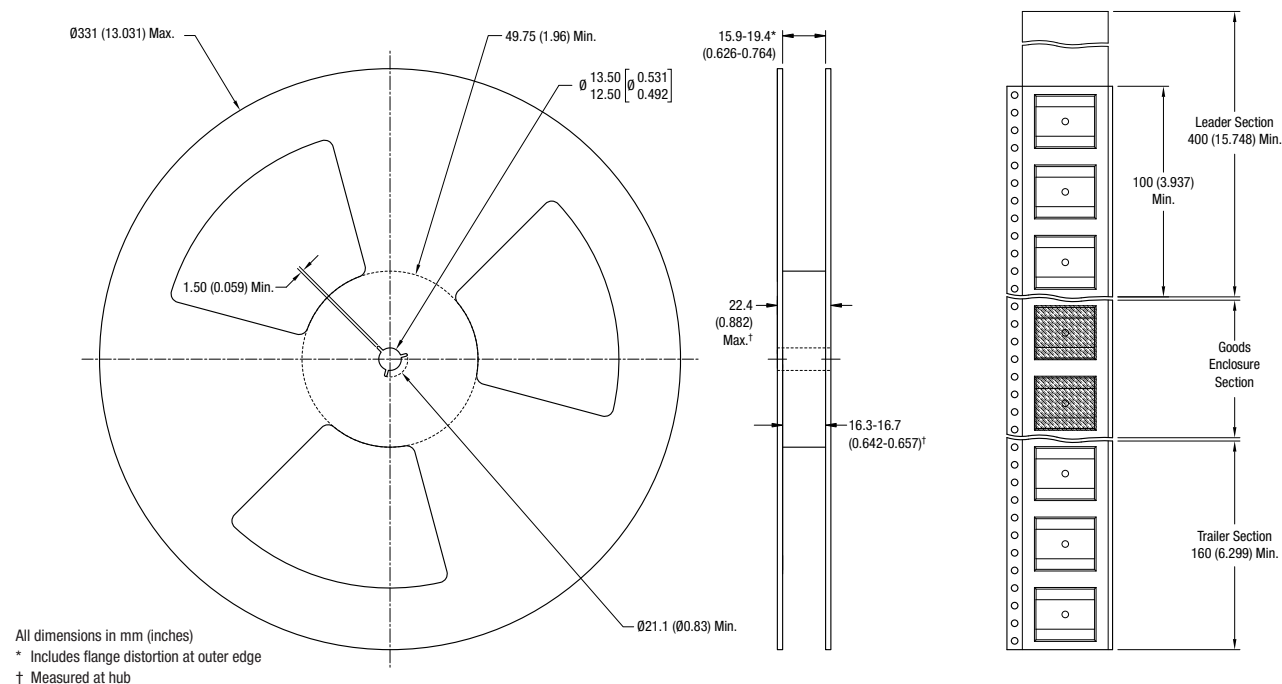
36472C

Typical performance characteristics

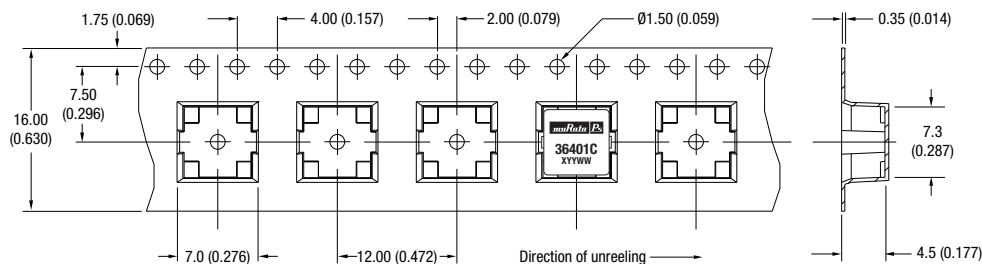


PACKAGE SPECIFICATIONS

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.
Tel: (508) 339-3000 (800) 233-2765 Fax: (508) 339-6356
www.murata-ps.com email: sales@murata-ps.com ISO 9001 REGISTERED

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USA: Mansfield (MA), Tel: (800) 233 2765, email: sales@murata-ps.com
Canada: Toronto, Tel: (866) 740 1232, email: toronto@murata-ps.com
UK: Milton Keynes, Tel: +44 (0)1908 615232, email: mk@murata-ps.com
France: Montigny Le Bretonneux, Tel: +33 (0)1 34 60 01 01, email: france@murata-ps.com
Germany: München, Tel: +49 (0)89-544334-0, email: ped.munich@murata-ps.com
Japan: Tokyo, Tel: 3-3779-1031, email: sales_tokyo@murata-ps.com
Osaka, Tel: 6-6354-2025, email: sales_osaka@murata-ps.com
Website: www.murata-ps.jp
China: Shanghai, Tel: +86 215 027 3678, email: shanghai@murata-ps.com
Guangzhou, Tel: +86 208 221 8066, email: guangzhou@murata-ps.com