



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





## 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 <sup>2</sup>	DC Resistance
	±25% μH	Max. A	Max. mΩ
<b>36401C</b>	0.40	14.5	4
<b>36601C</b>	0.60	12.5	5
<b>36102C</b>	1.00	9.5	7.5
<b>36182C</b>	1.80	7.0	14
<b>36232C</b>	2.30	6.0	20
<b>36332C</b>	3.30	4.6	35
<b>36472C</b>	4.70	3.6	41

## ABSOLUTE MAXIMUM RATINGS

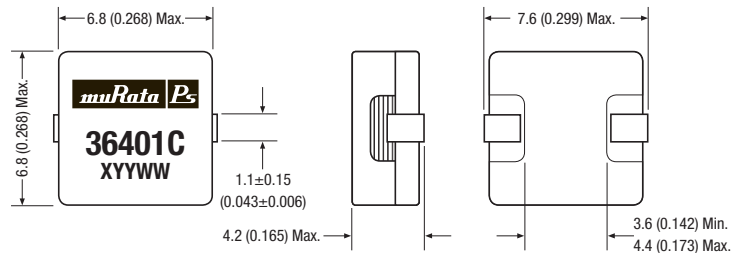
Operating temperature range	-40°C to 125°C
Storage temperature range	-40°C to 150°C

## SOLDERING INFORMATION<sup>1</sup>

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

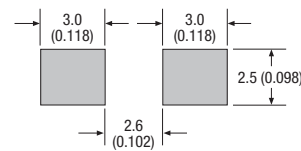
## PACKAGE SPECIFICATIONS

### 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  $T_A = 25^\circ\text{C}$

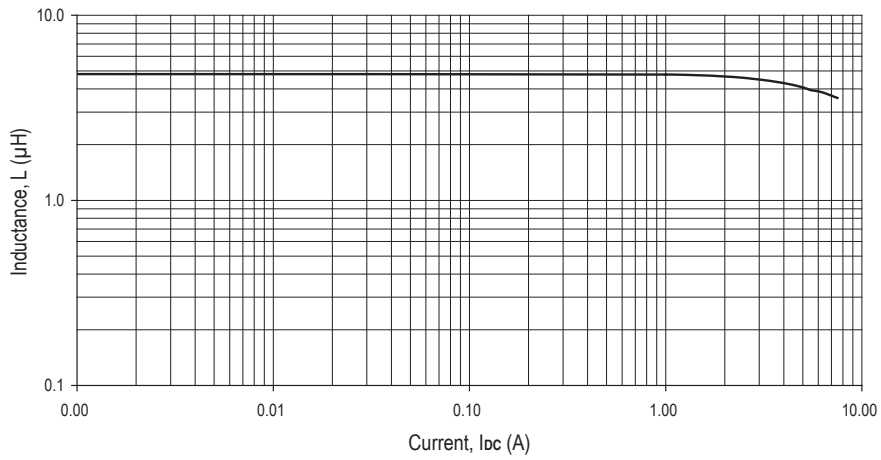
<sup>1</sup> For further information, please visit [www.murata-ps.com/rohs](http://www.murata-ps.com/rohs)

<sup>2</sup> 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.



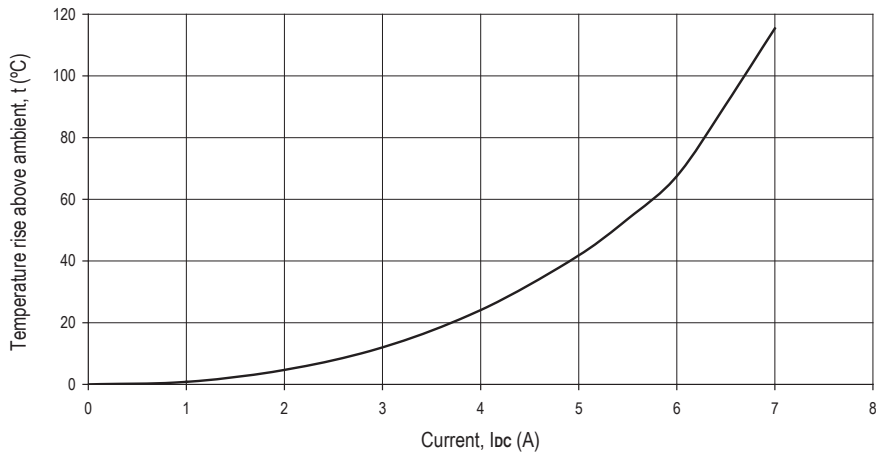
**INDUCTANCE Vs CURRENT**

36472C  
Typical performance characteristics



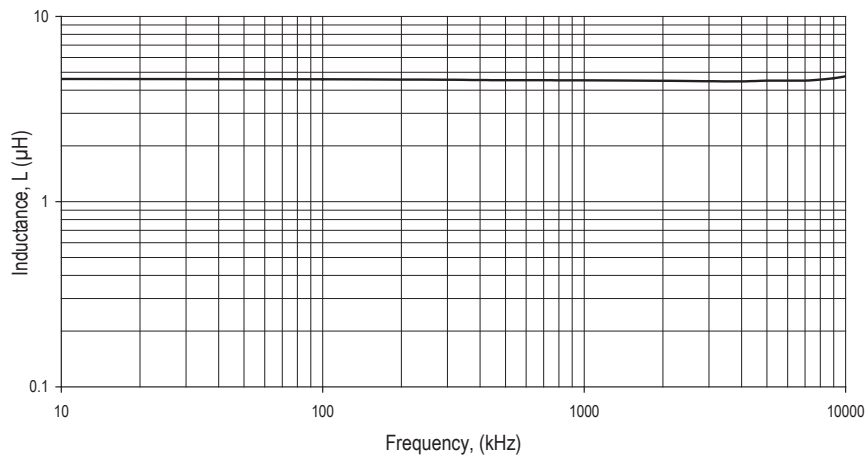
**TEMPERATURE Vs CURRENT**

36472C  
Typical performance characteristics



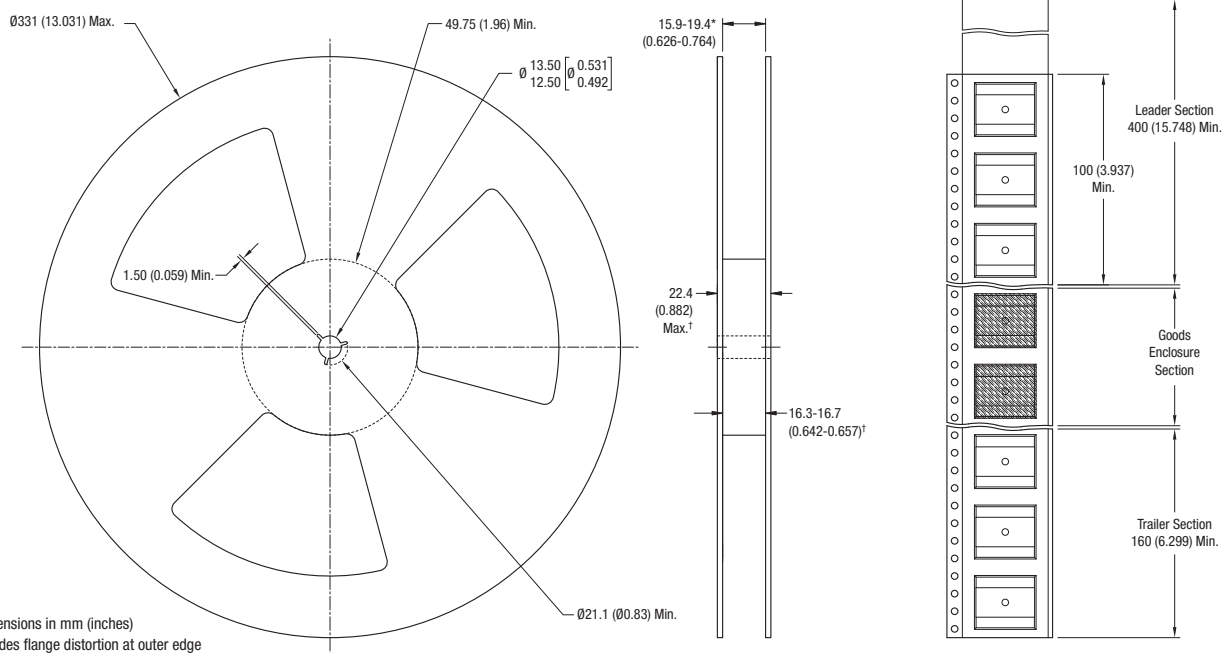
**INDUCTANCE Vs FREQUENCY**

36472C  
Typical performance characteristics



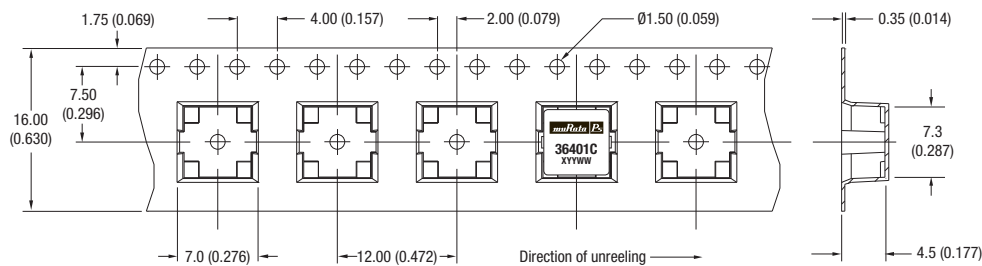
**PACKAGE SPECIFICATIONS**

**Mechanical Dimensions**



All dimensions in mm (inches)  
\* Includes flange distortion at outer edge  
† Measured at hub

**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.  
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