



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	Recommended Alternative
	±25%	Max.	Max.	
	μH	A	mΩ	
NRND				
36401C	0.40	14.5	4	Contact Murata
36601C	0.60	12.5	5	Contact Murata
36102C	1.00	9.5	7.5	Contact Murata
36182C	1.80	7.0	14	Contact Murata
36232C	2.30	6.0	20	Contact Murata
36332C	3.30	4.6	35	Contact Murata
36472C	4.70	3.6	41	Contact Murata

ABSOLUTE MAXIMUM RATINGS

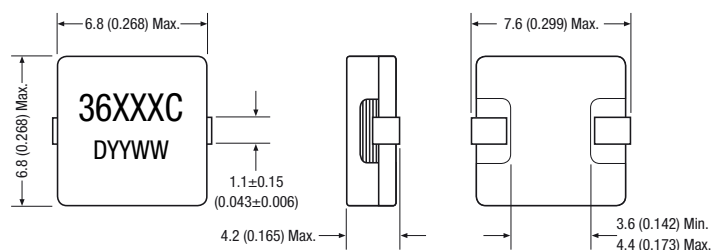
Operating temperature range	-40°C to 125°C
Storage temperature range	-40°C to 150°C

SOLDERING INFORMATION¹

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

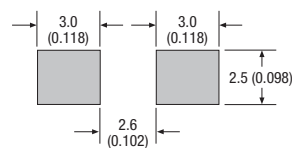
PACKAGE SPECIFICATIONS

Mechanical Dimensions



Package weight: 0.8g Typ.

Recommended Footprint Details



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



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

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

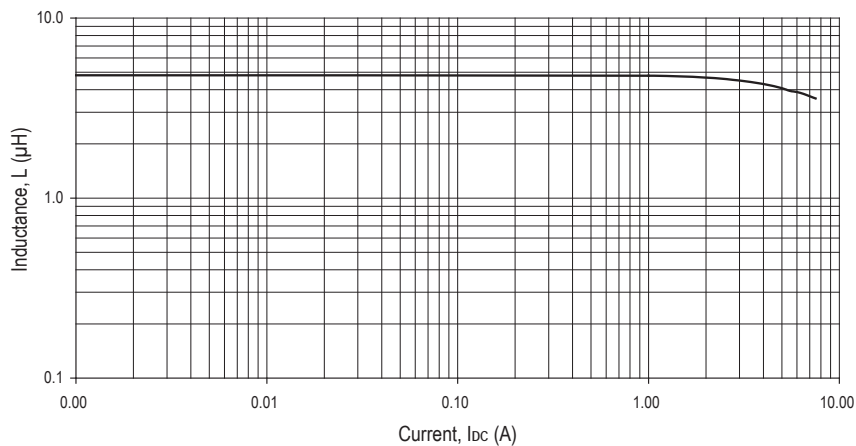
1 For further information, please visit www.murata-ps.com/rohs

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

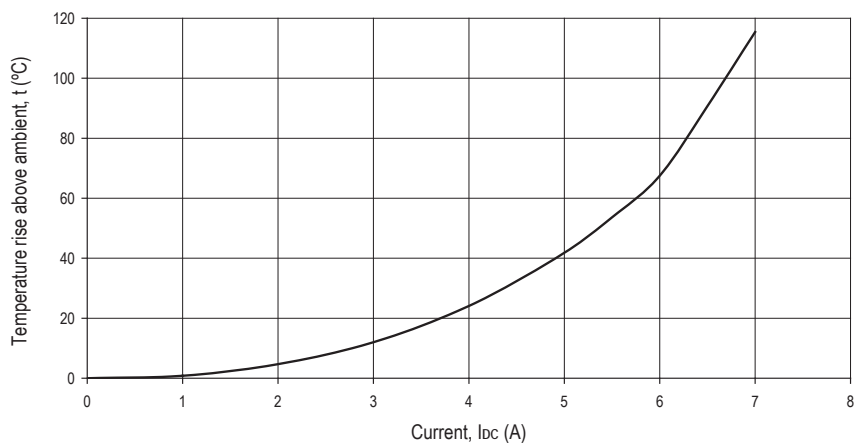
Typical performance characteristics



TEMPERATURE Vs CURRENT

36472C

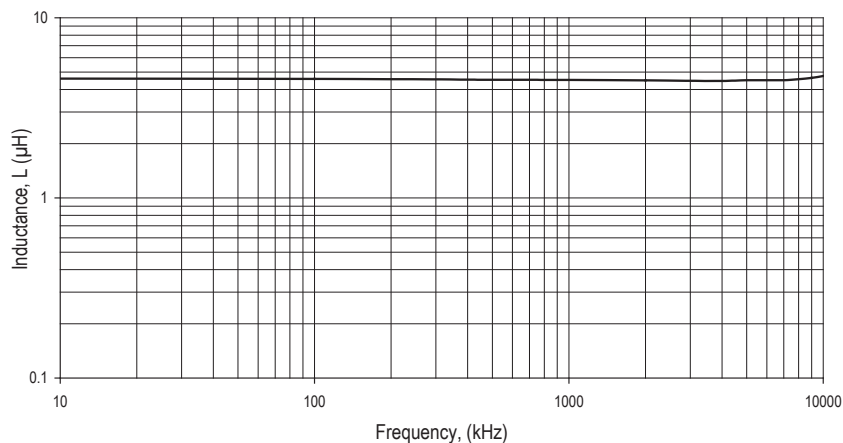
Typical performance characteristics



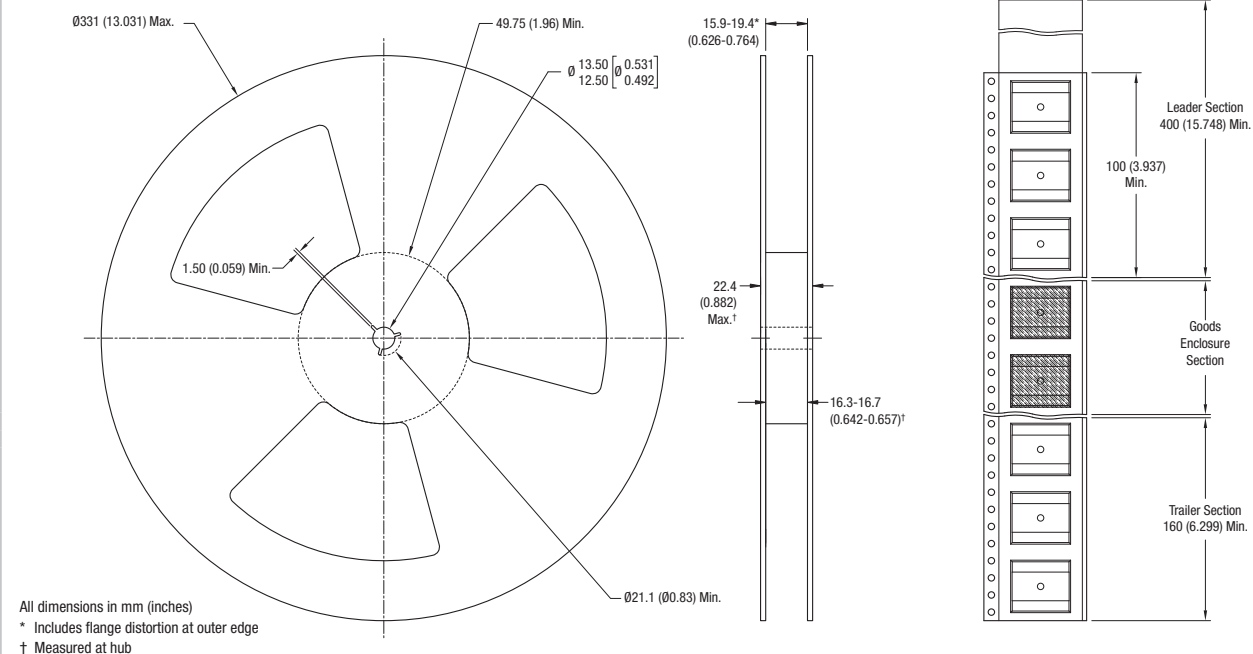
INDUCTANCE Vs FREQUENCY

36472C

Typical performance characteristics



Mechanical Dimensions



Technical drawing of a 36XXX DYWW coil. The drawing includes a top view and a cross-sectional view. The top view shows a series of rectangular coils with a central square hole. Dimensions are provided in millimeters (mm) and inches (in). The cross-sectional view shows the profile of the coil, including the thickness of the material and the spacing between the coils.

Dimensions (mm / in):

- Top view:
 - Overall width: 16.00 (0.630)
 - Distance from left edge to first coil center: 1.75 (0.069)
 - Distance between coil centers: 4.00 (0.157)
 - Distance from last coil center to right edge: 2.00 (0.079)
 - Coil thickness: 0.15 (0.006)
 - Coil width: 7.0 (0.276)
 - Distance between coil groups: 12.00 (0.472)
- Cross-sectional view:
 - Coil thickness: 0.35 (0.014)
 - Distance from coil center to outer edge: 7.3 (0.287)
 - Distance from coil center to inner edge: 4.5 (0.177)

Direction of unreeling: Indicated by an arrow pointing to the right.

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

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- Undersea equipment
- Power plant control equipment
- Medical equipment
- Transportation equipment (automobiles, trains, ships, etc.)
- Traffic signal equipment
- Disaster prevention / crime prevention equipment
- Data Processing equipment

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