

**Surface Mount Power Inductors** 



#### **FFATURES**

LATOREO
■ RoHS compliant
■ Up to 2.0A loc
■ 1.0µH to 330µH
Low Roc
■ Ultra-low profile
■ UL 94V-0 packaging materials

J-STD-020D reflow Custom inductance values available

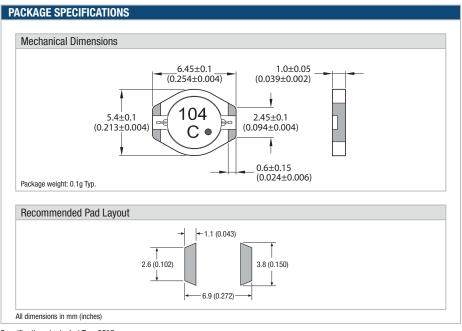
### **PRODUCT OVERVIEW**

The 2700T series is a range of ultra-low profile, surface-mount power inductors. They are designed for use in power applications with restricted height, such as handheld devices, DC-DC converters and notebook computers. The products are supplied in tape and reel for high-volume, automated surface-mount assembly.

ECTION GUIDE			
	Inductance, L	DC Current <sup>2</sup>	DC Resistance
Order Code	±20%	Max.	Max.
	μΗ	A	Ω
27T102C	1.0	2.0	0.08
27T152C	1.5	1.6	0.10
27T222C	2.2	1.4	0.12
27T332C	3.3	1.2	0.16
27T472C	4.7	1.0	0.20
27T682C	6.8	0.85	0.32
27T103C	10	0.70	0.41
27T153C	15	0.60	0.55
27T223C	22	0.50	0.85
27T333C	33	0.40	1.30
27T473C	47	0.32	1.80
27T683C	68	0.28	2.50
27T104C	100	0.23	3.50
27T154C	150	0.17	5.00
27T224C	220	0.15	7.00
27T334C	330	0.13	15.0

ABSOLUTE MAXIMUM RATINGS	
Operating temperature range <sup>3</sup>	-40°C to 125°C
Storage temperature range	-40°C to 150°C

SOLDERING INFORMATION <sup>1</sup>	
Peak reflow solder temperature	260°C
Pin finish	Gold
Moisture sensitivity level <sup>4</sup>	1







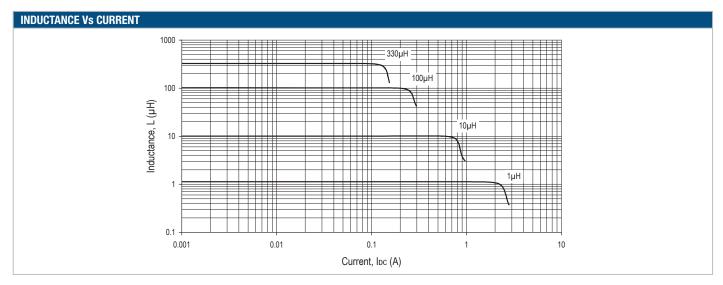
- Specifications typical at  $T_A = 25^{\circ}C$ 1 For further information, please visit www.murata-ps.com/rohs
- 2 The maximum DC current is the value at which the inductance falls to 75% of its nominal value or when its temperature rise reaches 40°C, whichever is sooner.
- 3 Including self heating of the device.
- 4 Representative samples of the product were subjected to the conditioning described in IPC/JEDEC J-STD-020D and passed electrical testing, package coplanarity and visual inspection which revealed no external cracks or changes in package body flatness.

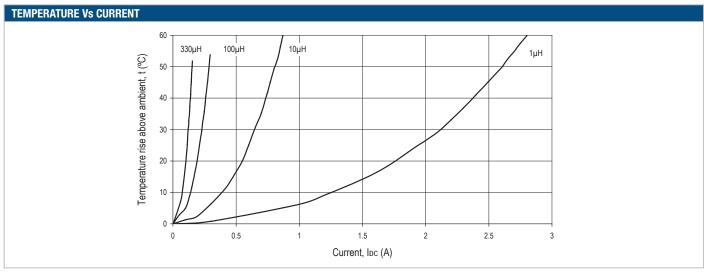
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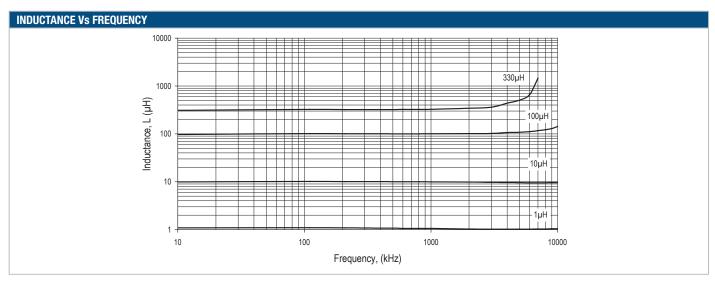
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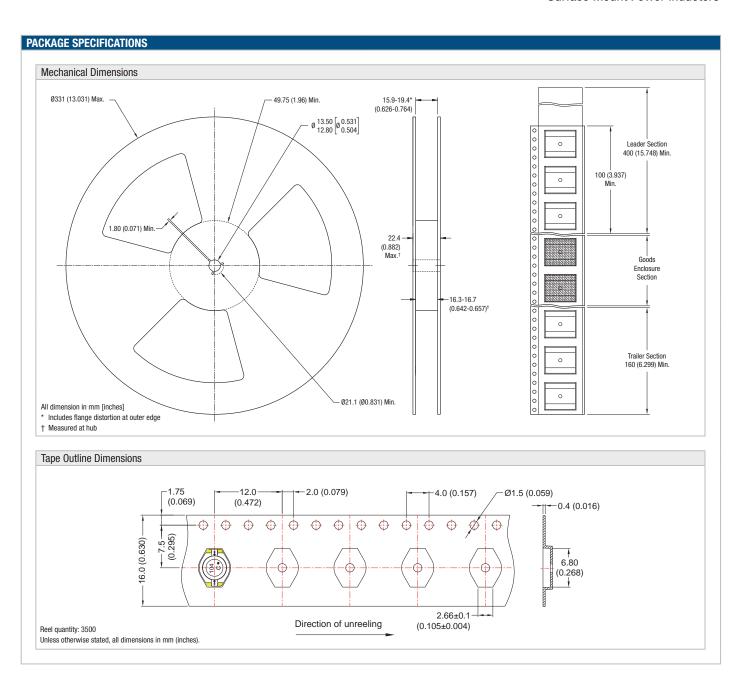




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- Power plant control equipment
- Medical equipment
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- Traffic signal equipment
- Disaster prevention / crime prevention equipment
- Data Processing equipment

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Refer to: https://www.murata.com/en-eu/products/power/requirements

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