3300 Series

Vertical Mount Toroidal Inductors





FEATURES

RoHS compliant
Toroidal construction
Up to 7.6A loc
Inductance range from 10µH to 1.0mH
Low EMI
UL 94V-0 packaging materials
Low DC resistance

PRODUCT OVERVIEW

The 3300 series is a range of through-hole power inductors. Due to the toroidal construction, they exhibit a very low EMI as stray flux is kept to a minimum. Typical applications include switching regulators, and power line filtering.



SELECTION GUIDE									
Order Code	Inductance, L	DC Current ²	DC Resistance	Q @ f MHz		SRF	Package Weight		
	±15%	Max.	Max.	Nom.		Тур.	Тур.		
	μH	А	mΩ	Q	f	MHz	g		
33100C	10	7.60	20	3.4	1.0	68	20.8		
33150C	15	6.20	27	3.3	1.0	49	21.3		
33220C	22	5.10	33	3.4	1.0	37	21.5		
33330C	33	4.20	40	3.5	1.0	24	22.0		
33470C	47	3.50	48	3.4	1.0	17	22.5		
33680C	68	2.90	57	3.5	1.0	16	22.9		
33101C	100	2.40	70	3.9	0.8	9.7	23.7		
33151C	150	2.00	84	3.8	0.8	7.2	24.9		
33221C	220	1.60	102	3.2	0.8	2.0	26.1		
33331C	330	1.30	126	3.4	0.8	1.9	27.8		
33471C	470	1.10	152	2.6	0.8	1.4	29.5		
33681C	680	0.92	183	0.64	0.8	0.9	31.5		
33102C	1000	0.76	221	0.85	0.8	0.7	34.0		

ABSOLUTE MAXIMUM RATINGS

Operating temperature range Storage temperature range

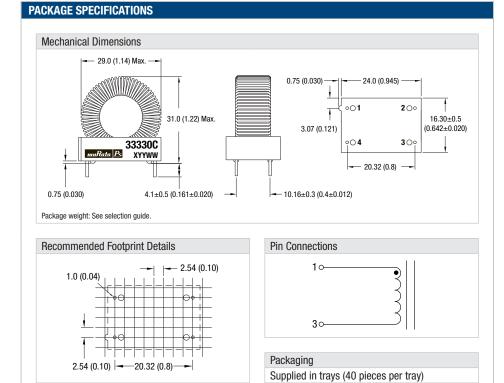
-40°C to 125°C -40°C to 125°C

260°C

Tin

SOLDERING INFORMATION

Peak wave solder temperature	
Pin finish	



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

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

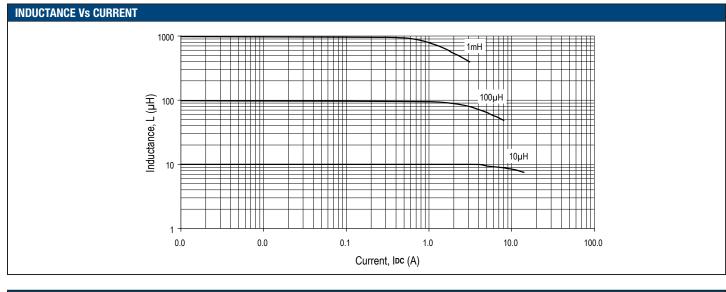
1 For further information, please visit www.murata-ps.com/rohs

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.

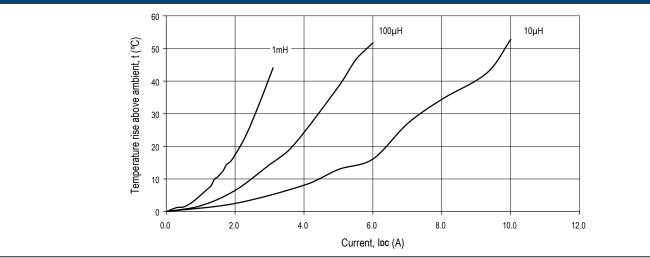
muRata Ps Murata Power Solutions

3300 Series

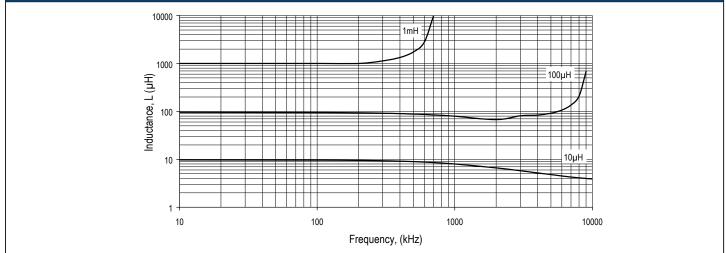
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INDUCTANCE Vs FREQUENCY





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