





## **FEATURES**

- RoHS compliant
- Toroidal construction
- Up to 4.5A loc
- Inductance range from 10µH to 1.0mH
- Low EMI
- UL 94V-0 packaging materials
- Low DC resistance

## **PRODUCT OVERVIEW**

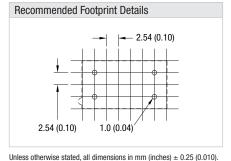
The 3200 series is a range of through-hole power inductors. Due to the toroidal construction, they exhibit a very low EMI as stray flux is kept to a minimum. Typical applications include switching regulators, and power line filtering.

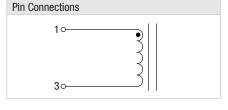
SELECTION GUIDE								
Order Code	Inductance, L	DC Current <sup>2</sup>	DC Resistance	Q @ f MHz		SRF	Package Weight	
	±15%	Max.	Max.	Nom.		Тур.	Тур.	
	μΗ	Α	mΩ	Q	f	MHz	g	
32100C	10	4.50	20	3.1	1.0	69	7.8	
32150C	15	3.70	24	3.1	1.0	53	8.1	
32220C	22	3.00	29	3.2	1.0	41	8.4	
32330C	33	2.50	36	3.2	1.0	28	8.8	
32470C	47	2.10	42	3.1	1.0	21	9.2	
32680C	68	1.70	62	3.1	1.0	11	9.0	
32101C	100	1.40	77	3.5	0.8	5.3	9.6	
32151C	150	1.20	117	3.3	0.8	3.3	9.4	
32221C	220	0.96	141	3.3	0.8	2.8	9.8	
32331C	330	0.78	215	3.2	0.8	2.3	9.9	
32471C	470	0.66	312	2.8	0.8	1.6	9.6	
32681C	680	0.55	377	2.0	0.8	1.2	10.4	
32102C	1000	0.45	568	1.2	0.8	1.0	10.1	

ABSOLUTE MAXIMUM RATINGS	
Operating temperature range	-40°C to 125°C
Storage temperature range	-40°C to 125°C

SOLDERING INFORMATION <sup>1</sup>	
Peak wave solder temperature	260°C
Pin finish	Tin

## Mechanical Dimensions 21.5 (0.846) Max. 24.0 (0.945) Max. 0.75 (0.030) 1.50 (0.059) 1.50 (0.059) 1.50 (0.059) 1.50 (0.0394) 1.50 (0.059) Package weight: See selection guide.





Packaging

Supplied in trays (60 pieces per tray)

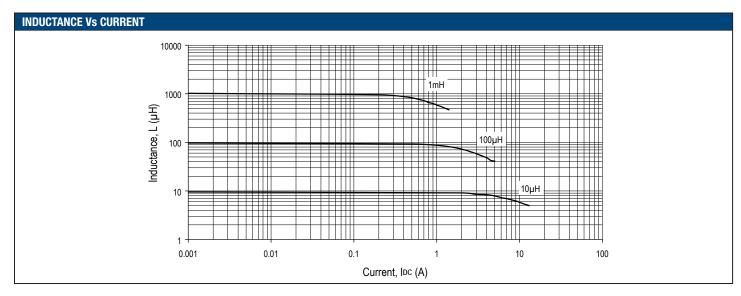


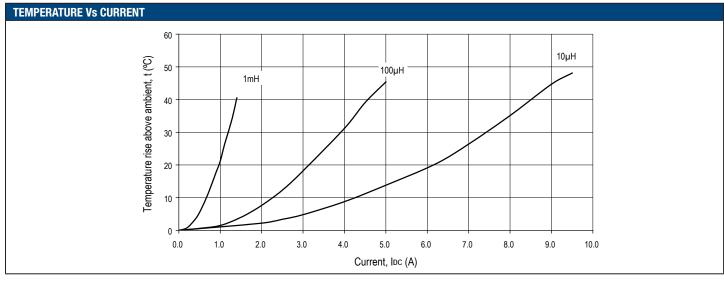


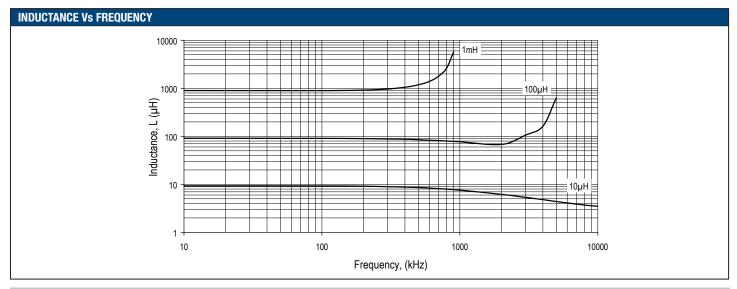
Specifications typical at  $T_{\Delta} = 25^{\circ}C$ 

- 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.

**Vertical Mount Toroidal Inductors** 









## 3200 Series

**Vertical Mount Toroidal Inductors** 

Murata Power Solutions, Inc.
11 Cabot Boulevard, Mansfield, MA 02048-1151 U.S.A. ISO 9001 and 14001 REGISTERED

Murata Power Solutions, Inc. makes no representation that the use of its products in the circuits described herein, or the use of other technical information contained herein, will not infringe upon existing or future patent rights. The descriptions contained herein do not imply the granting of licenses to make, use, or sell equipment constructed in accordance therewith. Specifications are upon better to change without notice.