4000 Series

Toroidal Surface Mount Inductors



FEATURES

- RoHS compliant
- 3.3µH to 330µH
- Surface mount
- J-STD-020C reflow
- Up to 5.20A loc
- UL94 V-0 package materials
- Compact size
- Toroidal construction minimizes EMI
- Pick & place compatible
- Backward compatible with Sn/Pb soldering systems

PRODUCT OVERVIEW

The 4000 series is a range of surface mount toroidal inductors designed for use in switching power supplies and DC/DC converters. The parts are ideal for applications requiring low profile compact components in a surface mount package.

ELECTION GUIDE				
Order Code	Inductance (10kHz, 10mVac)	Inductance Range (10kHz, 10mVac)	DC Current ¹	DC Resistance
	Nom.	Min Max.	Max.	Max.
	μH	μH	А	mΩ
403R3C	3.3	2.4-3.9	5.20	17
404R7C	4.7	3.7-6.1	4.40	19
406R8C	6.8	5.3-8.8	3.60	20
40100C	10	7.2-12.0	3.00	23
40150C	15	11.9-19.8	2.40	30
40220C	22	16.2-27.0	2.10	35
40330C	33	24.8-41.4	1.66	54
40470C	47	35.3-58.9	1.42	79
40680C	68	50.3-83.9	1.20	148
40101C	100	74.4-124	0.94	177
40151C	150	115-192	0.76	273
40221C	220	165-275	0.67	405
40331C	330	247-412	0.54	610

ABSOLUTE MAXIMUM RATINGS				
Operating free air temperature range	-40°C to 85°C			
Storage temperature range	-40°C to 125°C			

SOLDERING INFORMATION ²			
Peak reflow temperature	245°C		
Pin finish	Pure tin dip		

All specifications typical at $T_A = 25^{\circ}C$

1 Maximum DC current occurs when either the inductance falls to 75% of its nominal value or when its temperature rise reaches 40°C, whichever is sooner.

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

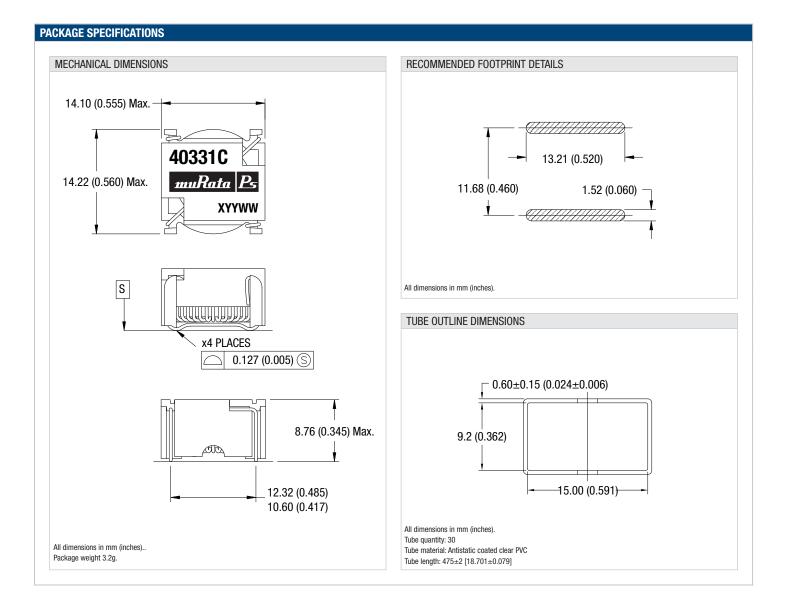


www.murata-ps.com/support



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