



## **Dual Winding Toroidal Surface Mount Inductors**



RoHS	comp	liant

- Toroidal construction minimizes EMI
- Compact size
- Surface mount
- UL94 V-0 package materials
- Pick & place compatible
- J-STD-020C reflow
- Backward compatible with Sn/Pb soldering systems

## **DESCRIPTION**

The 4300 series is a range of surface mount dual-winding toroidal inductors designed for use in switching power supplies and DC/DC converters. These devices can also be used as common-mode chokes, as the windings have a 1:1 ratio. They are ideal for applications requiring low profile compact components in a surface mount package.

SELECTION	SELECTION GUIDE										
Order Code	Inductance (100kHz, 0.1Vac) <sup>1</sup>	DC Current <sup>2</sup>	DC Resistance	SRF	Dime	kage nsions ax.)		ad nsions		r Tape nsions	Package Weight
Code	±15%	Max.	Max.	Min.	Α	В	С	D	Е	F	Тур.
	μH	Α	mΩ	MHz	mm	mm	mm	mm	mm	mm	g
43212C	2.10	21	2.22	106	20.30	23.10	11.18	20.57	32.0	10.3	7.4
43402C	4.00	22.4	3.10	69	25.40	28.20	15.75	25.65	36.0	10.6	12.5

ABSOLUTE MAXIMUM RATINGS				
Isolation voltage (flash tested for 1 second), pins 1 & 2	500Vpc			
Operating temperature range	-40°C to +125°C			
Storage temperature range	-40°C to +130°C			

SOLDERING INFORMATION <sup>3</sup>	
Peak reflow temperature	245°C
Pin finish	Pure tin dip
Moisture sensitivity level	1

PACKAGING INFORMATION					
	43212C	43402C			
Tape & Reel (add suffix -R to part No. e.g. 43212C-R)	180 per reel	160 per reel			
Box	35 per box	20 per box			

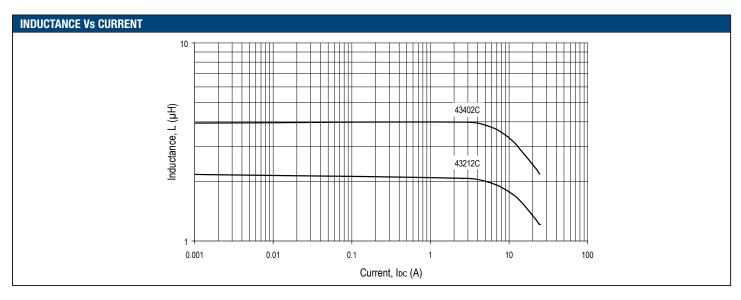
All specifications typical at T<sub>a</sub>=25°C

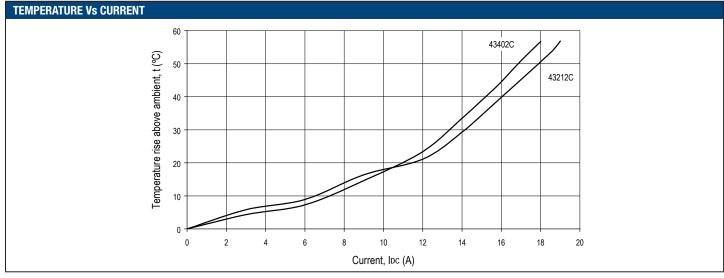
- 1 When connecting windings in series, inductance will be 4 times the figure shown.
- 2 With windings connected in parallel. Maximum DC current occurs when the temperature rise reaches 55°C.
- 3 For further information, please visit www.murata-ps.com/rohs

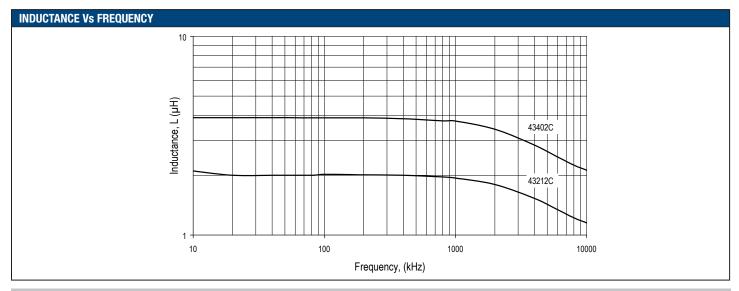




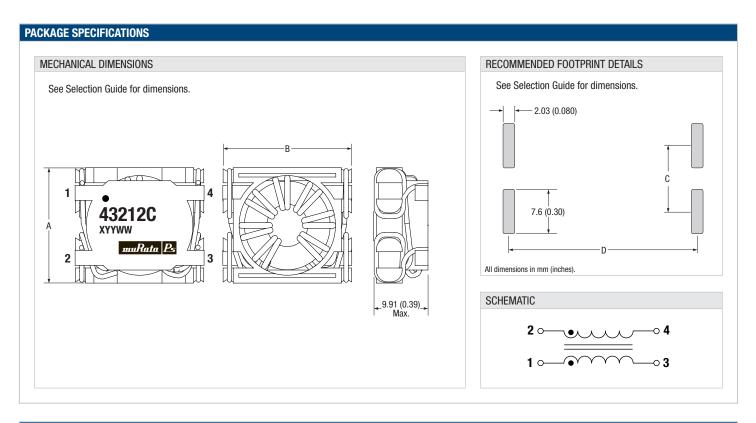
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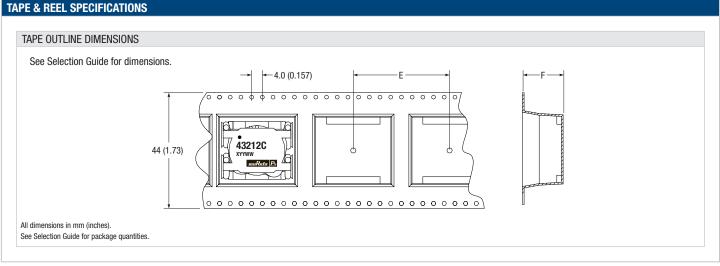






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