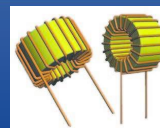


Toroidal Coil Inductor



ATCA-02

Request Samples



Check Inventory



22.0 x 12.5 mm

RoHS/RoHS II Compliant

MSL Level = 1

Features

- Low EMI/RFI toroid topology
- High saturation currents up to 5A
- High efficiency powdered iron core
- Wide operating temperature range -40°C to 105°C
- Vertical and horizontal orientations optimize EMI/RFI
- Compatible with low cost through-hole assembly

Applications

- High power switch-mode power supplies
- High power LED ballasts
- Power line filters
- High power audio filters
- Solar inverters
- White goods
- Motor drivers

Electrical Specifications

Part Number	L(μ H)	Tolerance	DCR(Ω)	IDC(A)	Dimension (mm) E (dia.)
		(%)	(max)	(max)	(Nom)
ATCA-02-220M	22	M	0.014	5.0	0.95
ATCA-02-290M	29	M	0.020	4.0	0.85
ATCA-02-350M	35	M	0.026	3.0	0.80
ATCA-02-580M	58	M	0.061	2.0	0.60
ATCA-02-900M	90	M	0.044	3.0	0.80
ATCA-02-111M	110	M	0.069	2.0	0.65
ATCA-02-131M	130	M	0.146	1.0	0.45
ATCA-02-471M	470	M	0.286	1.0	0.45

Test Conditions

Test Freq for L: 1KHz, 0.1Vrms

I_{DC}: max. 10% inductance drop from initial value

Operating Temperature: -40°C ~ +105°C (including self-temperature rise)

Power Rating: 15W Max

Storage Condition: -20°C ~ +40°C

ATCA-02 is RoHS/RoHSII Compliant and Pb free



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Toroidal Coil Inductor



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Part Identification

ATCA-02- -

Inductance Code

See Electrical Specification table

Tolerance

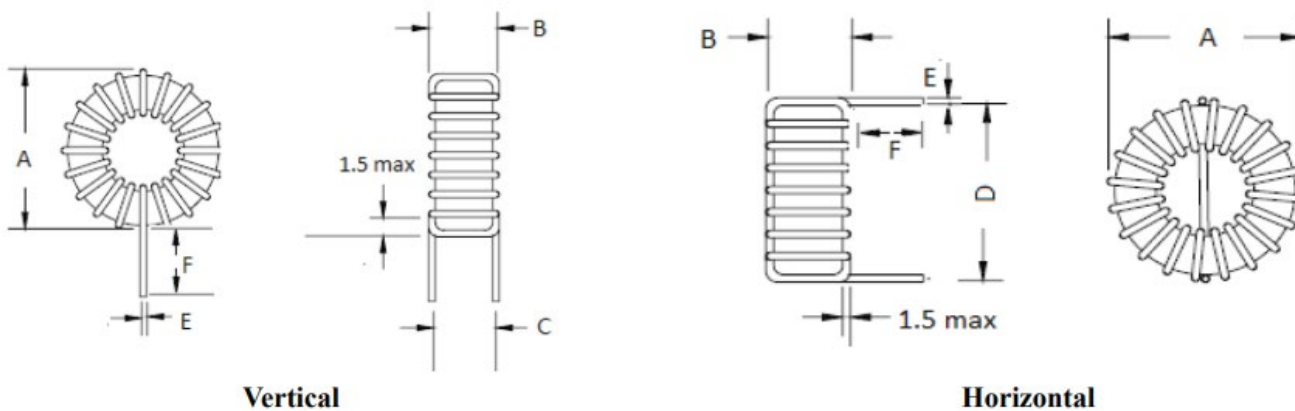
M = ± 20%

Packaging

H: Horizontal

V: Vertical

Mechanical Specifications



Series	A	B	C	D	F
ATCA-02	22.0 Max	12.5 Max	12.0 Max	21.5 Max	15.0 Max

Dimensions: mm



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ATCA-02

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Materials

Part Number	Material	UL
Core	Iron Powder	NA
Wire	155°C	E194410
Soldering	Sn-Cu	

Packaging

Part Number	Pcs / Tray	Trays / Carton	Pcs / Carton
ATCA-02-xxxM-V	100	6	600
ATCA-02-xxxM-H	100	6	600

ATTENTION: Abracon LLC's products are Commercial-Off-The-Shelf (COTS, which are designed, intended and validated for use in commercial, industrial and automotive applications. The customer is responsible for testing and verifying the performance of an Abracon solution to meet their system-level requirements.



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