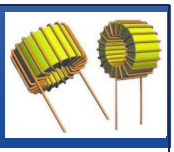
Toroidal Coil Inductor



ATCA-03

Request Samples Check Inventory

24.0 x 11.5 mm
RoHS/RoHS II Compliant
MSL Level = 1

Features

- Low EMI/RFI toroid topology
- High saturation current up to 5A
- High efficiency powered 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(µH)	Tolerance	DCR(Ω)	IDC(A)	Dimension (mm) E (dia.)
		(%)	(max)	(max)	(Nom)
ATCA-03-250M	25	M	0.016	5.0	1.00
ATCA-03-320M	32	M	0.021	4.0	0.90
ATCA-03-430M	43	M	0.030	3.0	0.80
ATCA-03-650M	65	M	0.055	2.0	0.65
ATCA-03-111M	110	M	0.042	4.0	0.85
ATCA-03-131M	130	M	0.055	3.0	0.80
ATCA-03-151M	150	M	0.159	1.0	0.45
ATCA-03-231M	230	M	0.108	2.0	0.65

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: 20W Max
Storage Condition: -20˚C ~ +40˚C
ATCA-03 is RoHS/RoHSII Compliant and Pb free

ABRACON

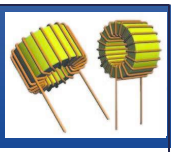
5101 Hidden Creek Ln, Spicewood TX 78669
Phone: 512-371-6159 Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISION C : 10/21/2024

ABRACON IS ISO9001-2015 CERTIFIED

Downloaded from Arrow.com.

Toroidal Coil Inductor



ATCA-03

Request Samples Check Inventory

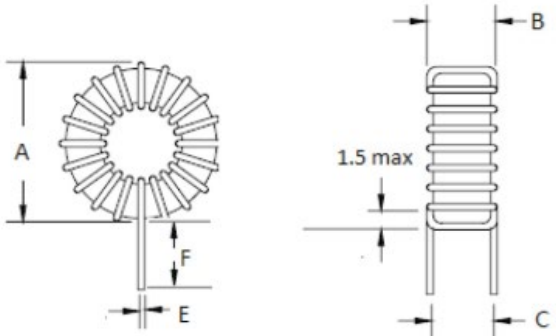
24.0 x 11.5 mm
RoHS/RoHS II Compliant
MSL Level = 1

Part Identification

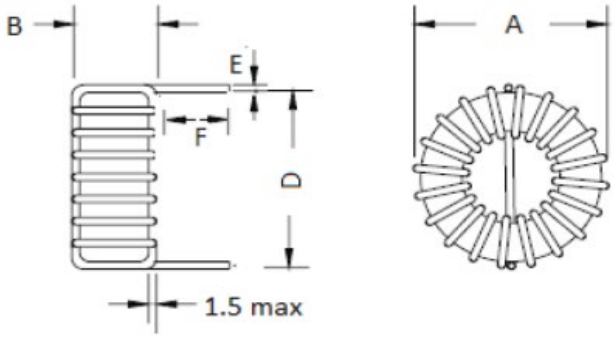
ATCA-03- ☐ ☐ - ☐

Inductance Code	Tolerance	Packaging
See Electrical Specification table	M = ± 20%	H: Horizontal
		V: Vertical

Mechanical Specifications



Vertical



Horizontal

Series	A	B	C	D	F
ATCA-03	24.0 Max	11.5 Max	10.5 Max	23.0 Max	15.0 Max

Dimensions: mm

ABRACON

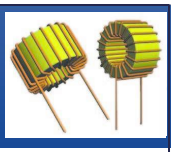
5101 Hidden Creek Ln, Spicewood TX 78669
Phone: 512-371-6159 Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISION C : 10/21/2024

ABRACON IS ISO9001-2015 CERTIFIED

Downloaded from Arrow.com.

Toroidal Coil Inductor



ATCA-03

Request Samples Check Inventory

24.0 x 11.5 mm
RoHS/RoHS II Compliant
MSL Level = 1

Materials

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

Packaging

Part Number	Pcs / Tray	Trays / Carton	Pcs / Carton
ATCA-03-xxxM-V	165	6	990
ATCA-03-xxxM-H	165	6	990

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.

ABRACON

5101 Hidden Creek Ln, Spicewood TX 78669
Phone: 512-371-6159 Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

REVISION C : 10/21/2024

ABRACON IS
ISO9001-2015
CERTIFIED

Downloaded from Arrow.com.