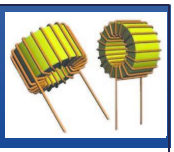
Differential Mode Toroidal Coil Inductor



ATCA-07

Request Samples Check Inventory

36.0 x 19.5 mm
RoHS/RoHS II Compliant
MSL Level = 1

Features

- Low EMI/RFI toroid topology
- High saturation current up to 10A
- 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-07-300M	30	M	0.009	10.0	1.60
ATCA-07-350M	35	M	0.010	10.0	1.60
ATCA-07-560M	56	M	0.020	7.0	1.30
ATCA-07-680M	68	M	0.021	7.0	1.30
ATCA-07-820M	82	M	0.023	7.0	1.30
ATCA-07-101M	100	M	0.036	5.0	1.00
ATCA-07-151M	150	M	0.053	4.0	1.00
ATCA-07-201M	200	M	0.078	3.0	0.85
ATCA-07-301M	300	M	0.142	2.0	0.70
ATCA-07-851M	850	M	0.211	2.0	0.70

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: 40W Max
Storage Condition: -20˚C ~ +40˚C
ATCA-07 is RoHS/RoHSII Compliant and Pb free

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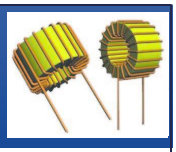
5101 Hidden Creek Ln, Spicewood TX 78669
Phone: 512-371-6159 Fax: 512-351-8858
For terms and conditions of sales, please visit:
www.abracon.com

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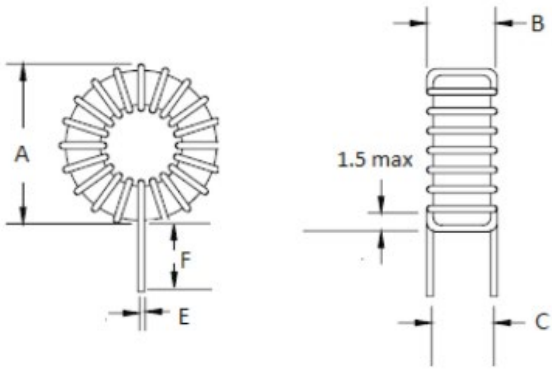
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RoHS/RoHS II Compliant
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Part Identification

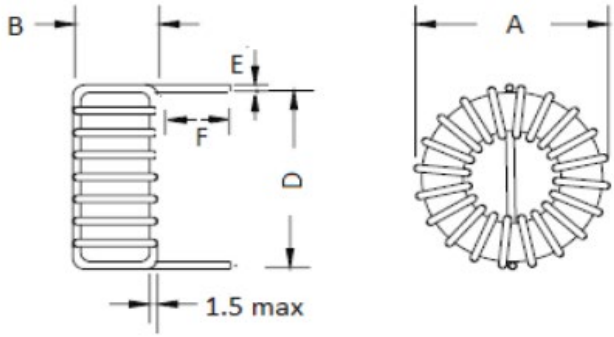
ATCA-07- ☐ ☐ - ☐

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-07	36.0 Max	19.5 Max	18.0 Max	34.5 Max	15.0 Max

Dimensions: mm

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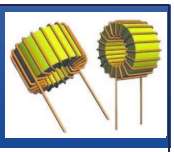
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RoHS/RoHS II Compliant
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Materials

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

Packaging

Part Number	Pcs / Tray	Trays / Carton	Pcs / Carton
ATCA-07-xxxM-V	18	6	108
ATCA-07-xxxM-H	18	6	108

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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