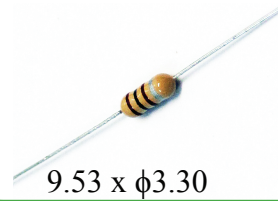


Conformal Coated Axial Inductor



9.53 x ϕ 3.30

AICC-03

Pb | RoHS/RoHS II Compliant

➤ **FEATURES:**

- Ferrite core with Epoxy resin
- High current rating
- RoHS compliant

➤ **APPLICATIONS:**

- DC/DC converters
- Power supplies
- Electronic appliance
- Automotive system

➤ **STANDARD SPECIFICATIONS:**

PARAMETERS	
ABRACON P/N:	AICC-03
Operating temperature:	-25°C ~ +105 °C
Storage temperature:	-40°C to + 125°C

Part No. AICC-03-Inductance Code	L(μ H)	Tolerance	Q (min)	L, Q Test Freq.	SRF(MHz)	DCR(Ω)	I _{DC} (mA)
		(%)		(MHz)			
AICC-03-R22	0.22	J, K	25	25.2	380	0.21	880
AICC-03-R27	0.27	J, K	25	25.2	340	0.24	800
AICC-03-R33	0.33	J, K	25	25.2	300	0.28	750
AICC-03-R39	0.39	J, K	25	25.2	280	0.32	680
AICC-03-R47	0.47	J, K	25	25.2	250	0.36	650
AICC-03-R56	0.56	J, K	25	25.2	230	0.41	600
AICC-03-R68	0.68	J, K	25	25.2	210	0.47	550
AICC-03-R82	0.82	J, K	45	25.2	172	0.17	980
AICC-03-1R0	1.0	J, K	45	7.96	157	0.19	920
AICC-03-1R2	1.2	J, K	50	7.96	144	0.20	880
AICC-03-1R5	1.5	J, K	50	7.96	131	0.23	830
AICC-03-1R8	1.8	J, K	55	7.96	121	0.25	790
AICC-03-2R2	2.2	J, K	55	7.96	110	0.28	750
AICC-03-2R7	2.7	J, K	60	7.96	100	0.30	720
AICC-03-3R3	3.3	J, K	65	7.96	91	0.30	670
AICC-03-3R9	3.9	J, K	65	7.96	86	0.40	640
AICC-03-4R7	4.7	J, K	70	7.96	80	0.39	620
AICC-03-5R6	5.6	J, K	70	7.96	74	0.43	590
AICC-03-6R8	6.8	J, K	75	7.96	68	0.50	550
AICC-03-8R2	8.2	J, K	80	7.96	53	0.50	530
AICC-03-100	10	J, K	85	7.96	45	0.58	500
AICC-03-120	12	J, K	75	2.52	34	0.63	480
AICC-03-150	15	J, K	70	2.52	20	0.72	460
AICC-03-180	18	J, K	65	2.52	14	0.77	430
AICC-03-220	22	J, K	60	2.52	9.9	0.80	410
AICC-03-270	27	J, K	55	2.52	7.6	0.94	390
AICC-03-330	33	J, K	55	2.52	6.3	1.03	370
AICC-03-390	39	J, K	50	2.52	6.3	1.12	350
AICC-03-470	47	J, K	45	2.52	6.3	1.22	340
AICC-03-560	56	J, K	40	2.52	6.2	1.34	320
AICC-03-680	68	J, K	40	2.52	5.7	1.47	305
AICC-03-820	82	J, K	35	2.52	5.3	1.62	290
AICC-03-101	100	J, K	30	2.52	4.8	1.80	275
AICC-03-121	120	J, K	70	0.796	3.8	3.70	185
AICC-03-151	150	J, K	70	0.796	3.5	4.20	175
AICC-03-181	180	J, K	70	0.796	3.3	4.60	165
AICC-03-221	220	J, K	70	0.796	3.0	5.10	155
AICC-03-271	270	J, K	65	0.796	2.8	5.80	145
AICC-03-331	330	J, K	65	0.796	2.6	6.40	137
AICC-03-391	390	J, K	65	0.796	2.4	7.00	133
AICC-03-471	470	J, K	60	0.796	2.1	7.70	126
AICC-03-561	560	J, K	60	0.796	1.9	8.50	120
AICC-03-681	680	J, K	55	0.796	1.8	9.40	113
AICC-03-821	820	J, K	55	0.796	1.4	10.5	100
AICC-03-102	1000	J, K	50	0.796	1.9	14.0	100

ABRACON IS
ISO 9001:2008
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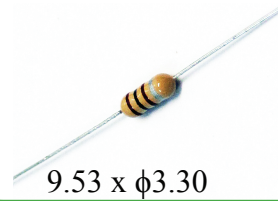


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Conformal Coated Axial Inductor

AICC-03

 RoHS/RoHS II Compliant



PART IDENTIFICATION:

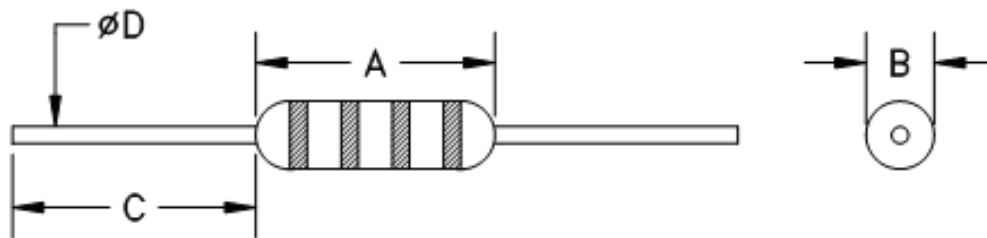
AICC-03- -

Inductance Code
Please refer to the table above

Tolerance
J: ±5%
K: ±10%

Packaging
T: Tape and Reel (5kpcs / reel)

OUTLINE DRAWING:



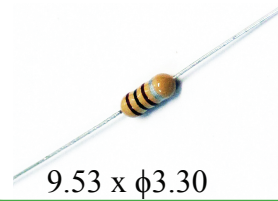
A (Max)	0.375 (9.53)
B	0.13±0.010 (3.30±0.25)
C Typ	1.05 (26.7)
D Typ	0.020 (0.51)

Dimension: inch (mm)

Conformal Coated Axial Inductor

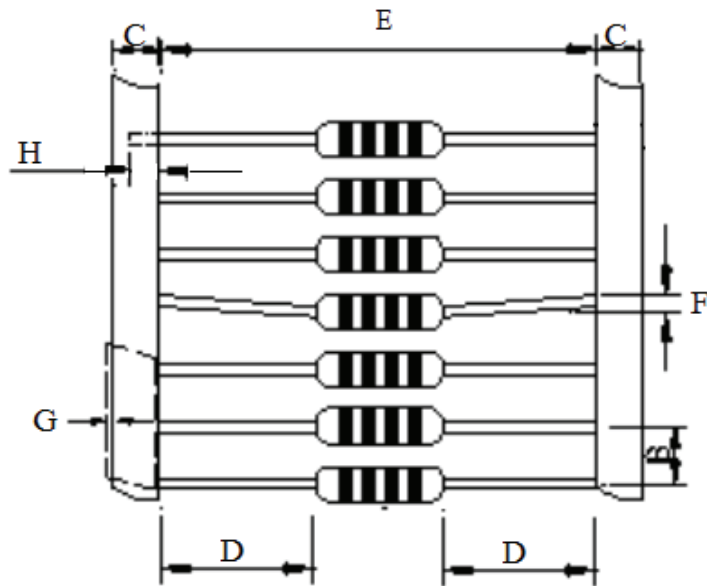
AICC-03

 RoHS/RoHS II Compliant

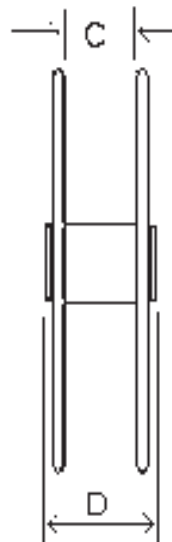
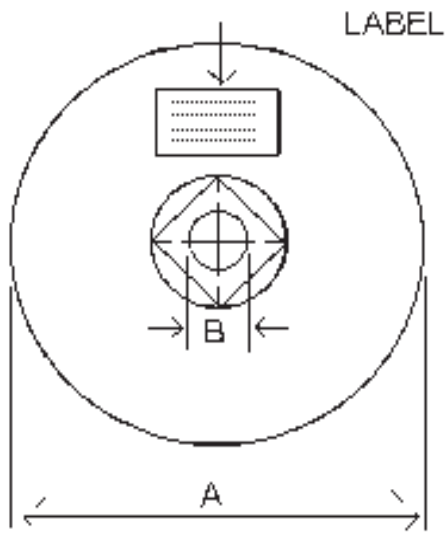


TAPE & REEL:

Packing (5,000pcs / Reel)



B	5+/-0.5
C	6+/-1.0
D	19 min
E	52+/-1.5
F	1.20 max
G	0.5 max
H	3.2 min



A	357+/-2
B	17+/-2
C	66+/-2
D	80+/-2

Dimension: mm

ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.

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