Conformal Coated Axial Inductor

AICC-02

RoHS/RoHS II Compliant



6.22 x ϕ2.8 mm

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-02
Operating temperature:	-25°C ~ +105 °C
Storage temperature:	-40°C to + 125°C

Part No. AICC-02-Inductance Code	L(µH)	Tolerance (%)	Q (min)	L, Q Test Freq. (MHz)	SRF(MHz) (min)	DCR(Ω) (max)	I_{DC}(mA) (max)
AICC-02-R27	0.27	M	40	25.2	360	0.08	1110
AICC-02-R33	0.33	M	40	25.2	350	0.08	1110
AICC-02-R39	0.39	M	40	25.2	320	0.09	1000
AICC-02-R47	0.47	M	40	25.2	300	0.10	1000
AICC-02-R56	0.56	M	40	25.2	280	0.11	950
AICC-02-R68	0.68	M	40	25.2	250	0.12	900
AICC-02-R82	0.82	M	40	25.2	200	0.12	900
AICC-02-1R0	1.0	M	40	25.2	180	0.15	815
AICC-02-1R2	1.2	M	40	7.96	165	0.18	740
AICC-02-1R5	1.5	M	45	7.96	150	0.20	700
AICC-02-1R8	1.8	M	50	7.96	125	0.23	655
AICC-02-2R2	2.2	M	50	7.96	110	0.25	630
AICC-02-2R7	2.7	M	50	7.96	96	0.28	595
AICC-02-3R3	3.3	M	50	7.96	70	0.30	575
AICC-02-3R9	3.9	M	45	7.96	65	0.32	555
AICC-02-4R7	4.7	M	45	7.96	50	0.35	560
AICC-02-5R6	5.6	M	45	7.96	40	0.40	500
AICC-02-6R8	6.8	M	40	7.96	30	0.45	470
AICC-02-8R2	8.2	M	40	7.96	28	0.72	425
AICC-02-100	10	K	40	7.96	22	0.80	370
AICC-02-120	12	K	45	2.52	20	0.88	350
AICC-02-150	15	K	40	2.52	16	1.00	335
AICC-02-180	18	K	50	2.52	15	1.20	315
AICC-02-220	22	K	50	2.52	13	1.35	285
AICC-02-270	27	K	50	2.52	11	1.50	270
AICC-02-330	33	K	50	2.52	10	1.70	255
AICC-02-390	39	K	50	2.52	9.5	2.30	240
AICC-02-470	47	K	60	2.52	8.5	2.60	205
AICC-02-560	56	K	60	2.52	7.5	2.90	195
AICC-02-680	68	K	60	2.52	6.5	3.20	185
AICC-02-820	82	K	60	2.52	6.0	3.50	175
AICC-02-101	100	K	60	2.52	5.5	3.80	165
AICC-02-121	120	K	60	0.796	5.4	4.40	160
AICC-02-151	150	K	60	0.796	4.7	5.00	150
AICC-02-181	180	K	60	0.796	4.3	6.50	140
AICC-02-221	220	K	60	0.796	4.0	9.50	130
AICC-02-271	270	K	60	0.796	3.7	10.5	120
AICC-02-331	330	K	60	0.796	3.4	11.6	100
AICC-02-391	390	K	60	0.796	2.8	13.0	95
AICC-02-471	470	K	60	0.796	2.5	18.0	90
AICC-02-561	560	K	60	0.796	2.3	23.0	85
AICC-02-681	680	K	60	0.796	2.0	26.0	75
AICC-02-821	820	K	60	0.796	1.5	20.0	65
AICC-02-102	1000	K	60	0.796	1.2	20.0	60

EOL

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6.22 x ϕ2.8 mm

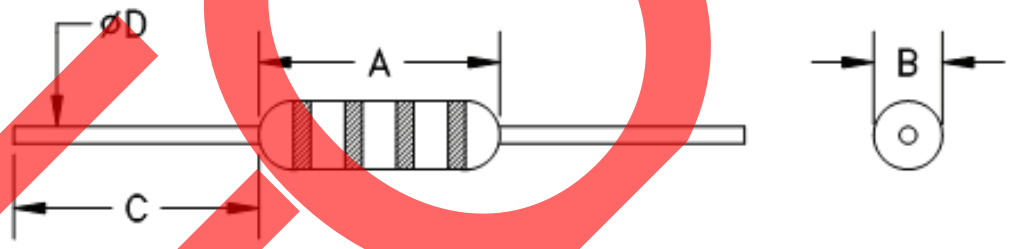
PART IDENTIFICATION:

AICC-02-□□□□□ -□

Inductance Code	Tolerance	Packaging
Please refer to the table above	K: ±10%* M: ±20%*	T: Tape and Reel (5kpcs / reel)

*M for 0.27~8.2μH
*K for 10~1000μH

OUTLINE DRAWING:



A (Max)	0.245 (6.22)
B (Max)	0.110 (2.80)
C	1.05 (26.7)
D	0.020 (0.51)

Dimension: inch (mm)

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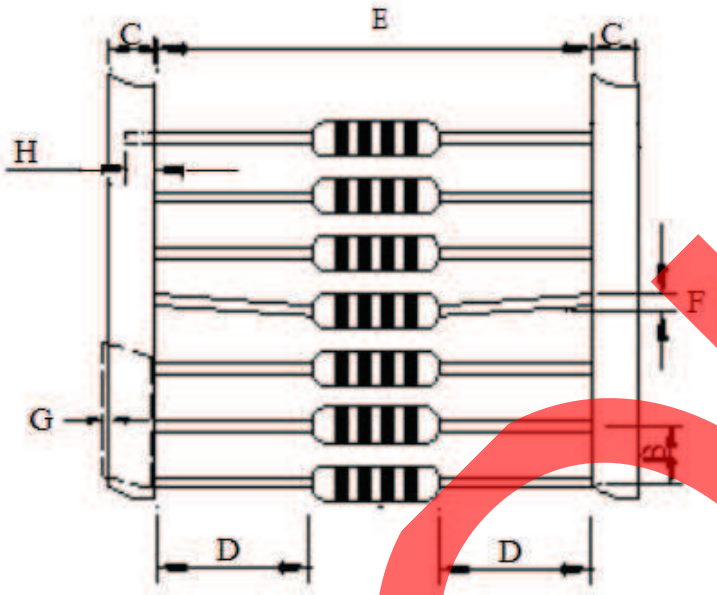
RoHS/RoHS II Compliant



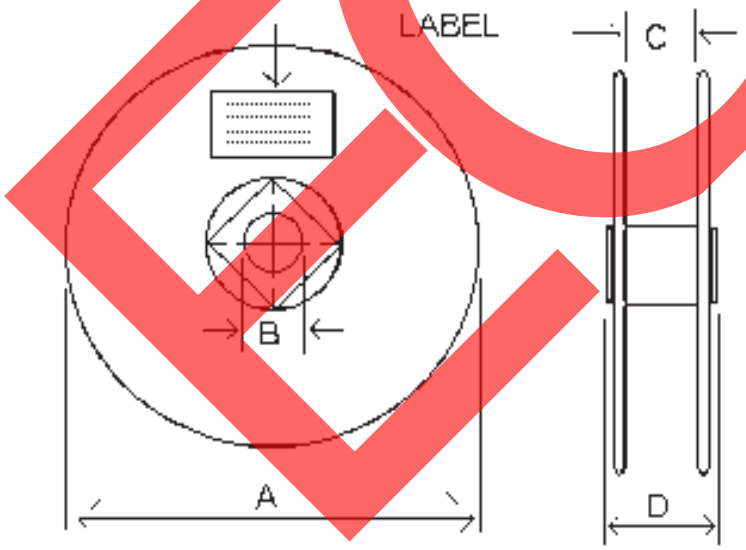
6.22 x ϕ2.8 mm

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

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