

Molded Axial Inductor

AIAM-01



RoHS
Compliant

2.41 x ϕ 6.35

FEATURES:

- Low cost.
- High Q and SRF, Low RDC.
- Permanent Color Band.

APPLICATIONS:

- Used in OSC circuit and TRAP coils.
- Ideal for RF applications.

STANDARD SPECIFICATIONS:

PARAMETERS

ABRACON P/N:	AIAM-01
Operating temperature:	-55°C ~ +105 °C
Storage temperature:	-40°C to + 125°C

Part No. AIAM-01-Inductance Code	L(μ H)	Tolerance (%)	Q (min)	L, Q Test Freq. (MHz)	SRF(MHz) (min)	DCR(Ω) (max)	I _{DC} (mA) (max)
AIAM-01-R022	0.022	M	50	50	900	0.025	2400
AIAM-01-R027	0.027	M	40	25.2	875	0.030	2200
AIAM-01-R033	0.033	M	40	25.2	850	0.035	2000
AIAM-01-R039	0.039	M	40	25.2	825	0.040	1900
AIAM-01-R047	0.047	K	40	25.2	800	0.045	1800
AIAM-01-R056	0.056	K	40	25.2	775	0.050	1700
AIAM-01-R068	0.068	K	40	25.2	750	0.060	1500
AIAM-01-R082	0.082	K	40	25.2	725	0.070	1400
AIAM-01-R10	0.10	K	40	25.2	680	0.080	1350
AIAM-01-R12	0.12	K	40	25.2	640	0.090	1270
AIAM-01-R15	0.15	K	38	25.2	600	0.100	1200
AIAM-01-R18	0.18	K	35	25.2	550	0.120	1105
AIAM-01-R22	0.22	K	33	25.2	510	0.140	1025
AIAM-01-R27	0.27	K	33	25.2	430	0.160	960
AIAM-01-R33	0.33	K	30	25.2	410	0.220	815
AIAM-01-R39	0.39	K	30	25.2	365	0.300	700
AIAM-01-R47	0.47	K	30	25.2	330	0.350	650
AIAM-01-R56	0.56	K	30	25.2	300	0.500	545
AIAM-01-R68	0.68	K	28	25.2	275	0.600	495
AIAM-01-R82	0.82	K	28	25.2	250	0.850	415
AIAM-01-1R0	1.0	K	25	25.2	230	1.00	385
AIAM-01-1R2	1.2	K	25	7.96	150	0.18	590
AIAM-01-1R5	1.5	K	28	7.96	140	0.22	535
AIAM-01-1R8	1.8	K	30	7.96	125	0.30	455
AIAM-01-2R2	2.2	K	30	7.96	115	0.40	395
AIAM-01-2R7	2.7	K	37	7.96	100	0.55	355
AIAM-01-3R3	3.3	K	45	7.96	90	0.85	270
AIAM-01-3R9	3.9	K	45	7.96	80	1.00	250
AIAM-01-4R7	4.7	K	45	7.96	75	1.20	230
AIAM-01-5R6	5.6	K	50	7.96	65	1.80	185
AIAM-01-6R8	6.8	K	50	7.96	60	2.00	175
AIAM-01-8R2	8.2	K	55	7.96	55	2.70	155
AIAM-01-100	10	K	55	7.96	50	3.70	130
AIAM-01-120	12	K	45	2.52	40	2.7	155
AIAM-01-150	15	K	40	2.52	35	2.8	150
AIAM-01-180	18	K	50	2.52	30	3.1	145
AIAM-01-220	22	K	50	2.52	25	3.3	140
AIAM-01-270	27	K	50	2.52	20	3.5	135
AIAM-01-330	33	K	45	2.52	24	3.4	130
AIAM-01-390	39	K	45	2.52	22	3.6	125
AIAM-01-470	47	K	45	2.52	20	4.5	110
AIAM-01-560	56	K	45	2.52	18	5.7	100
AIAM-01-680	68	K	50	2.52	15	6.7	92
AIAM-01-820	82	K	50	2.52	14	7.3	88
AIAM-01-101	100	K	50	2.52	13.0	8	84
AIAM-01-121	120	K	30	0.796	12.0	13	66
AIAM-01-151	150	K	30	0.796	11.0	15	61
AIAM-01-181	180	K	30	0.796	10.0	17	57

ABRACON IS
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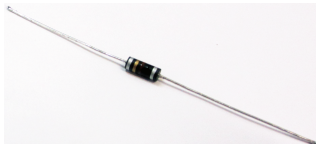
Revised: 05.12.16

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2.41 x ϕ 6.35

Part No. AIAM-01-Inductance Code	L(μ H)	Tolerance	Q (min)	L, Q Test Freq.	SRF(MHz)	DCR(Ω)	I _{DC} (mA)
		(%)		(MHz)		(max)	
AIAM-01-221	220	K	30	0.796	9.0	21	52
AIAM-01-271	270	k	30	0.796	8.0	25	47
AIAM-01-331	330	k	30	0.796	7.0	28	45
AIAM-01-391	390	k	30	0.796	6.5	35	40
AIAM-01-471	470	k	30	0.796	6.0	42	36
AIAM-01-561	560	k	30	0.796	5.0	46	35
AIAM-01-681	680	k	30	0.796	4.0	60	30
AIAM-01-821	820	k	30	0.796	3.8	65	29
AIAM-01-102	1000	k	30	0.796	3.4	72	28

PART IDENTIFICATION:

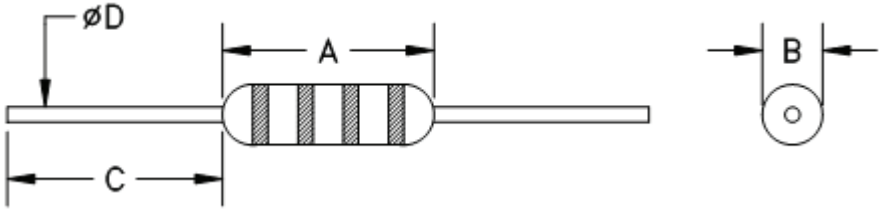
AIAM-01- -

Inductance Code
Please refer to the table above

Tolerance
K: $\pm 10\%$
M: $\pm 20\%$

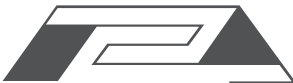
Packaging
T: Tape and Reel (5kpcs / reel)

OUTLINE DRAWING:



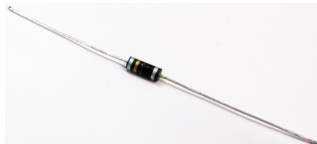
A	0.250 $\pm$ 0.010 (6.35 $\pm$ 0.25)
B	0.095 $\pm$ 0.010 (2.41 $\pm$ 0.25)
C Typ	1.15 (29.2)
D	0.020 (0.51)

Dimension: inch (mm)



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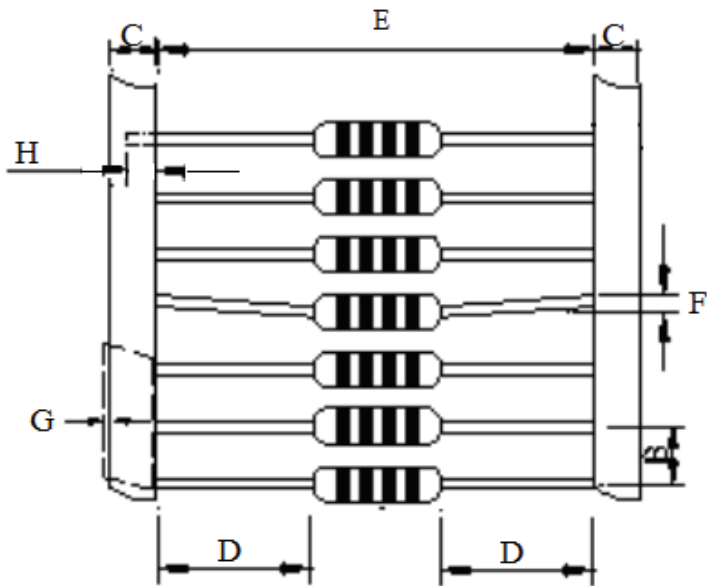
AIAM-01



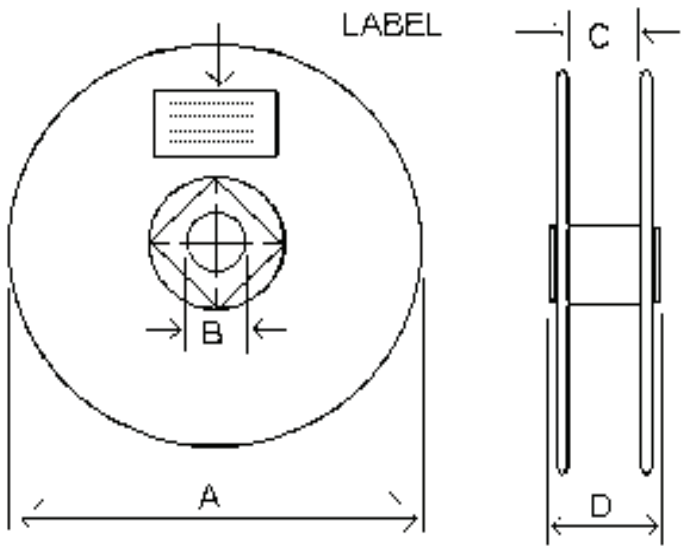
2.41 x ϕ 6.35

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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