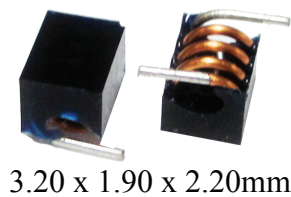


SMT Air Coil Inductor

AIAC-1008C



RoHS
Compliant



3.20 x 1.90 x 2.20mm

FEATURES:

- High current design
- Wide Range Frequency Response
- Excellent Q & SRF
- Standard flat cap top suitable for automatic placement.

APPLICATIONS:

- Widely used in Cordless Phones, High Frequency Communication Equipments, Intercom, CATV, RFID
- Suitable for metal sensors and proximity sensors
- Noise suppression for RF power supply/bias
- I/O filtering, frequency selection for audio devices such as Loudspeakers, Hifi
- Impedance Matching for transceivers
- Improves switch isolation for RF circuit

STANDARD SPECIFICATIONS:

PARAMETERS	
ABRACON P/N:	AIAC-1008C
Operating temperature:	-40 °C ~ +125 °C
Storage temperature:	-25°C to + 60°C

Part Number	Inductance	Tolerance	DCR (Max)	Q(Min)	SRF(Min)	Rated Current (Max)	Inductance Code
Units	nH	%	mΩ		MHz	mA	
Symbol	L	K	DCR			IDC	
AIAC-1008C-6N8	6.8	K	4.0	80	>3000	1200	6N8
AIAC-1008C-8N2	8.2	K	5.0	80	>3000	950	8N2
AIAC-1008C-10N	10	K	6.0	70	>3000	950	10N
AIAC-1008C-12N	12	K	6.5	70	>3000	900	12N
AIAC-1008C-15N	15	K	7.3	70	2500	900	15N
AIAC-1008C-18N	18	K	9.6	70	2500	840	18N
AIAC-1008C-22N	22	K	10.8	70	2400	840	22N
AIAC-1008C-27N	27	K	13.9	70	1600	600	27N
AIAC-1008C-33N	33	K	19.5	70	1600	500	33N
AIAC-1008C-39N	39	K	21.6	70	1500	500	39N
AIAC-1008C-47N	47	K	25.2	70	1500	470	47N
AIAC-1008C-56N	56	K	27.5	70	1300	470	56N
AIAC-1008C-68N	68	K	37.1	70	1300	380	68N
AIAC-1008C-82N	82	K	51.5	70	1000	320	82N
AIAC-1008C-R10	100	K	55.5	70	1000	320	R10
AIAC-1008C-R12	120	K	63.4	70	950	320	R12

Test Conditions and equipments

Test frequency: 300MHz

Equipment: HP4286A/HP16191A

PART IDENTIFICATION:

AIAC-1008C- [] [] - []

Inductance Code

Please refer to the Electrical Spec Table

Tolerance

K: ±10%

Packaging

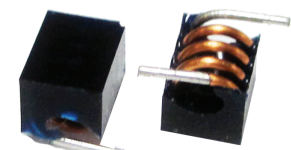
T: Tape and Reel (3kpcs / reel)

SMT Air Coil Inductor

AIAC-1008C

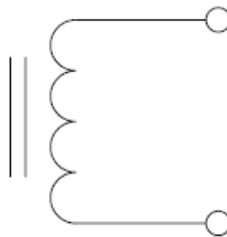
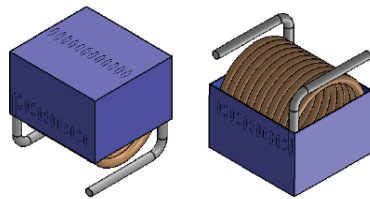
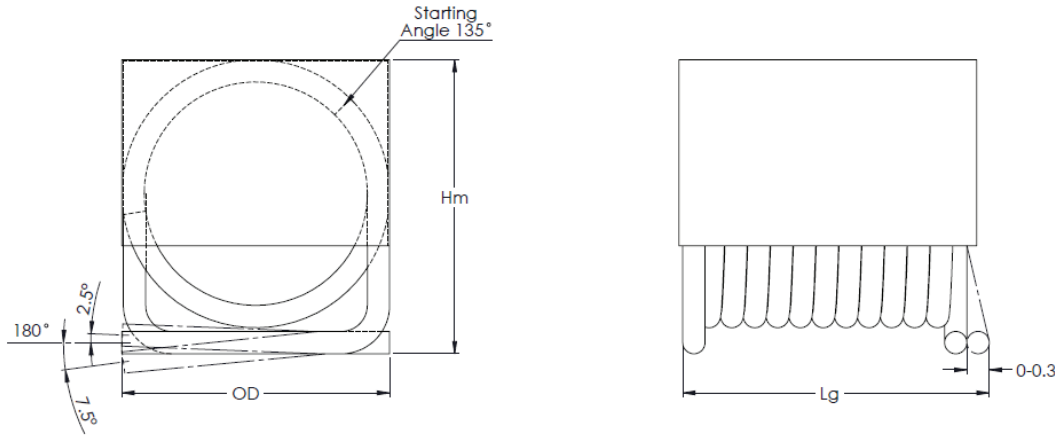


RoHS
Compliant



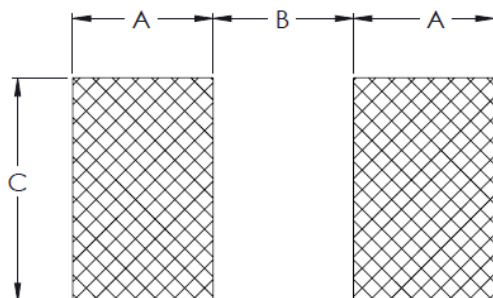
3.20 x 1.90 x 2.20mm

OUTLINE DRAWING:



Hm	2.20 Max
OD	1.90 Max
Lg	3.20 Max

Recommended Land Pattern



A	1.02 Min
B	1.27 Min
C	2.54 Min

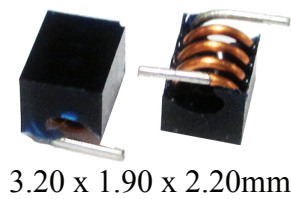
Dimension: mm

SMT Air Coil Inductor

AIAC-1008C

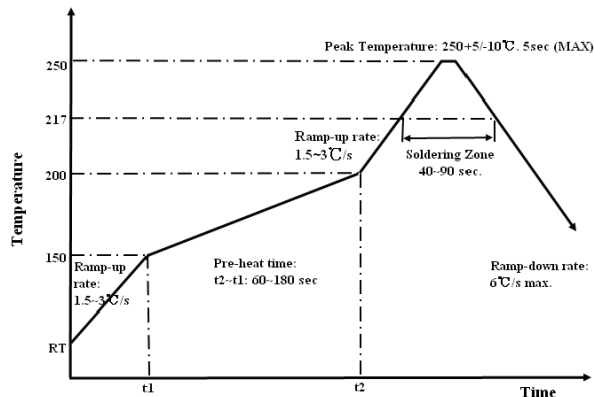


RoHS
Compliant



3.20 x 1.90 x 2.20mm

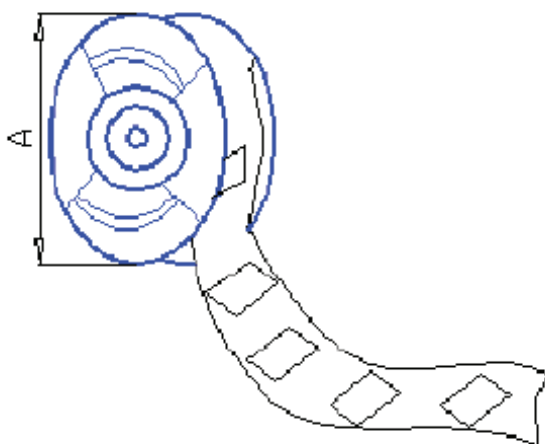
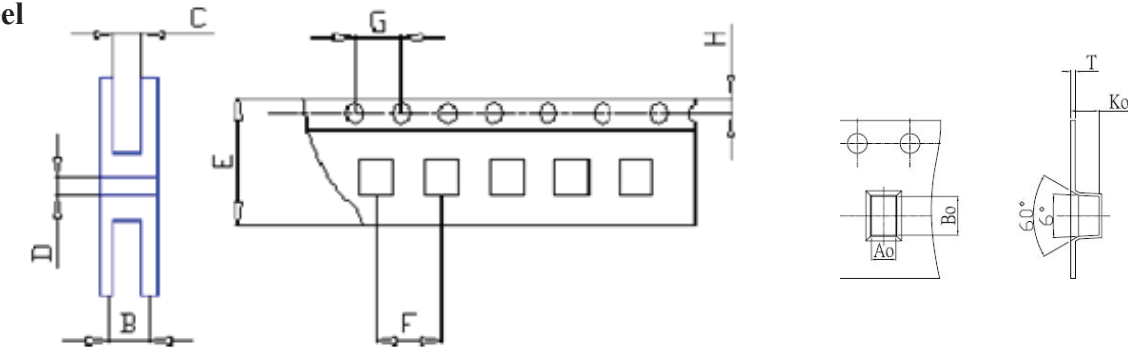
REFLOW PROFILE:



TAPE & REEL:

Packing

T: 3,000pcs / reel



Ao	2.3±0.10
Bo	3.4±0.10
Ko	2.3±0.10
A	330
B	18
C	12
D	13
E	12
F	8.0
G	4.0
H	1.75
T	0.35

Dimension: mm

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Revised: 11.20.12

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