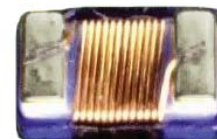


SMD CERAMIC WIRE-WOUND CHIP INDUCTORS

AISC-0603-xxx



1.6 x 0.76 x 0.97mm

FEATURES:

- Ceramic construction assures the utmost thermal stability & high SRF
- Exceptionally high Q compared to non-wirewound inductors, especially at high frequencies
- Inductance options from 1.8nH to 390nH

- Epoxy changes from top partial coverage to full coverage for better wire protection; does not effect product function or properties

APPLICATIONS:

- Widely applied in VCO, SAW circuit for GSM, & CDMA communications
- Used in hard disk, notebook computers & other electronic equipment

ELECTRICAL SPECIFICATIONS:

PARAMETERS

ABRACON P/N:	AISC-0603-xxx Series
Operating temperature:	-40°C to + 125°C
Storage temperature:	-25°C to + 85°C, 70% RH max.

I_{dc} based on a 20°C maximum temperature rise

Part Number AISC-0603-	L (nH)	% Tol Avail	L Test Freq (MHz)	Q Min	Q Test Freq (MHz)	SRF Min (MHz)	R _{DC} Max (Ω)	I _{DC} Max (mA)
R0018	1.8	K,M	250	16	250	>6000	0.045	700
R0039	3.9	K,M	250	20	250	>6000	0.063	700
R0043	4.3	K,M	250	22	250	5900	0.080	700
R0047	4.7	K,M	250	22	250	5800	0.130	700
R0068	6.8	K,M	250	25	250	5800	0.110	700
R0082	8.2	K,M	250	28	250	4800	0.110	700
R010	10	G,J,K,M	250	30	250	4800	0.130	700
R012	12	G,J,K,M	250	30	250	4000	0.130	700
R015	15	G,J,K,M	250	30	250	4000	0.170	700
R018	18	G,J,K,M	250	30	250	3100	0.170	700
R022	22	G,J,K,M	250	35	250	3000	0.190	700
R024	24	G,J,K,M	250	35	250	2650	0.190	700
R027	27	G,J,K,M	250	35	250	2800	0.220	600
R033	33	G,J,K,M	250	35	250	2300	0.220	600
R039	39	G,J,K,M	250	35	250	2200	0.250	600
R047	47	G,J,K,M	200	35	250	2000	0.280	600
R056	56	G,J,K,M	200	35	250	1900	0.310	600
R068	68	G,J,K,M	200	35	250	1700	0.340	600
R072	72	G,J,K,M	150	35	250	1700	0.490	400
R082	82	G,J,K,M	150	35	250	1700	0.540	400
R10	100	G,J,K,M	150	35	250	1500	0.710	400
R11	110	G,J,K,M	150	35	250	1400	0.750	300
R12	120	G,J,K,M	150	35	250	1350	0.790	300
R15	150	G,J,K,M	150	28	150	1200	0.920	280
R18	180	G,J,K,M	100	25	100	990	1.25	240
R22	220	J,K,M	100	25	100	900	1.50	200
R27	270	J,K,M	100	25	100	860	1.80	170
R33	330	J,K,M	100	24	100	500	2.00	150
R39	390	J,K,M	100	23	100	350	2.10	120

OPTIONS & PART IDENTIFICATION:

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AISC - 0603 - □□□ - □ - □

Inductance Code
Please refer to the Table above.

Tolerance Code	
J	±5%
K	±10%
M	±20%
G	±2%

Packaging	
T	Tape & Reel

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED

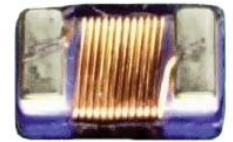


ABRACON
CORPORATION

Visit www.abracon.com for Terms & Conditions of Sale **Revised: 11.13.07**
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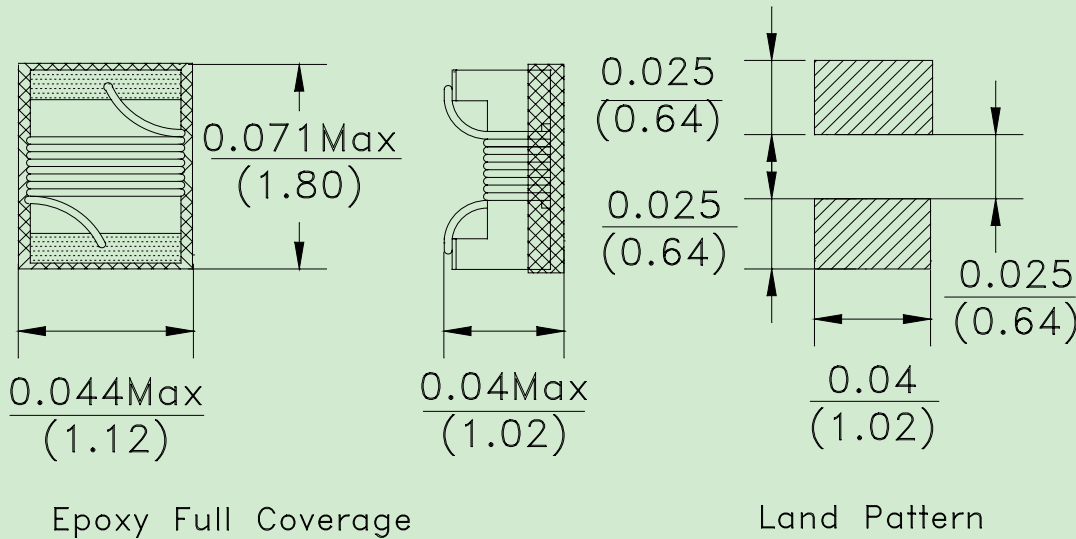
SMD CERAMIC WIRE-WOUND CHIP INDUCTORS

AISC-0603-xxx

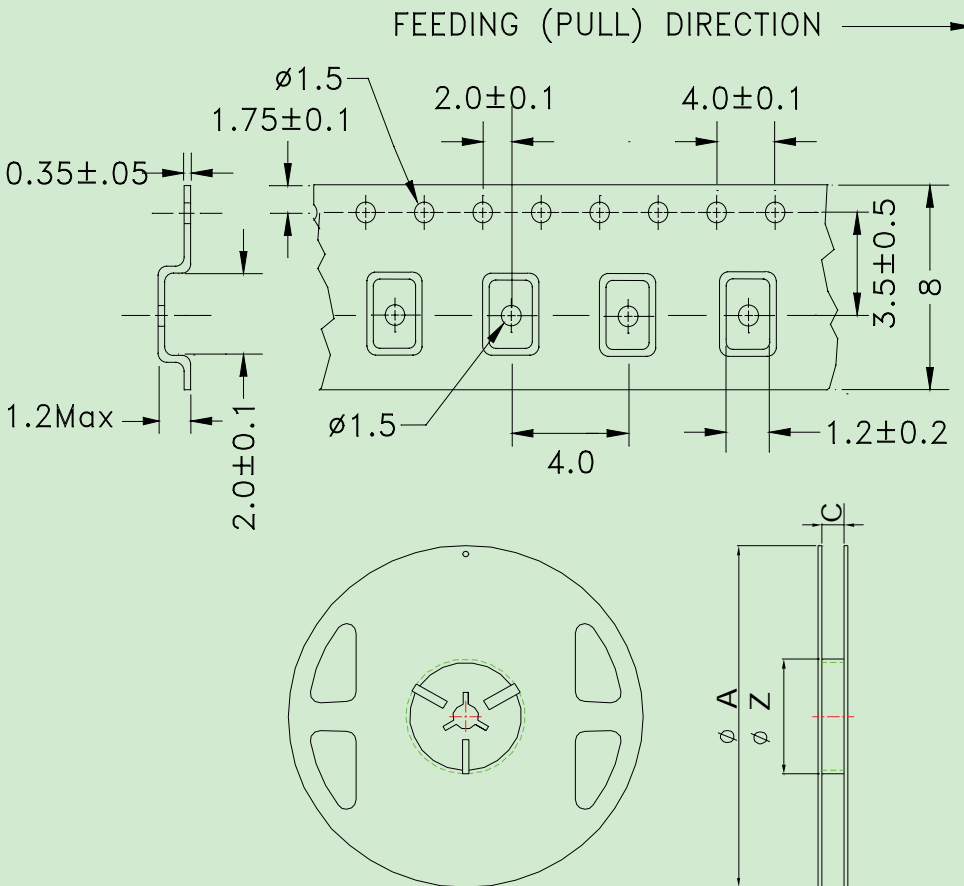


1.6 x 0.76 x 0.97mm

OUTLINE DRAWING:



TAPE & REEL: Tape and reel 3,000pcs/reel



series	A	C	Z
AISC-0603-xxx	178±2.0	8.4+1.5	60±1.0

Dimensions: mm

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