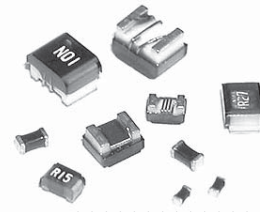


SURFACE-MOUNT WIRE-WOUND CHIP INDUCTORS

AISC-1008, 1008L, 1008F, 1008FL SERIES



FEATURES:

- Construction: Ceramic or Ferrite
- Excellent SRF
- High Frequency Design
- Excellent Q values

OPTIONS:

- Tape & Reel is standard
- Add L for no Cap, F for Ferrite Base
- Add G for Gold Plated Terminal
- Add S for Solder Plated Terminal

APPLICATIONS:

- Wireless Communications Equipment
- Networking System
- Computer Products and Peripherals

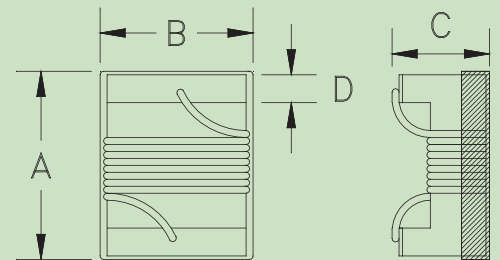
STANDARD SPECIFICATIONS:

Part Number* AISC-1008(L)	L (nH)	Q Min	L Test Freq (MHz)	Q Test Freq (MHz)	SRF Min (MHz)	R _{DC} Max (Ω)	I _{DC} Max (mA)
R0047K	4.7	60	50	1500	>6000	0.11	1000
R0056K	5.6	55	50	1500	>6000	0.14	1000
R010K	10	55	50	500	4100	0.08	1000
R012K	12	65	50	500	3400	0.09	1000
R015K	15	55	50	500	2600	0.13	1000
R018K	18	60	50	350	2600	0.11	1000
R022K	22	60	50	350	2400	0.12	1000
R027K	27	60	50	350	1700	0.13	1000
R030K	30	60	50	350	1700	0.14	1000
R033K	33	70	50	350	1700	0.14	1000
R039K	39	70	50	350	1600	0.15	1000
R047K	47	70	50	350	1600	0.16	1000
R056K	56	70	50	350	1400	0.18	1000
R068K	68	65	50	350	1200	0.21	1000
R082K	82	65	50	350	1000	0.22	1000
R10K	100	60	25	350	1000	0.56	650
R12K	120	60	25	350	1000	0.63	650
R15K	150	50	25	100	850	0.62	580
R18K	180	50	25	100	800	0.70	620
R22K	220	50	25	100	700	0.80	500
R27K	270	50	25	100	700	0.91	500
R33K	330	50	25	100	600	1.05	450
R39K	390	50	25	100	500	1.12	470
R47K	470	50	25	100	500	1.19	470
R56K	560	50	25	100	450	1.33	400
R62K	620	50	25	100	415	1.40	300
R68K	680	50	25	100	375	1.47	400
R75K	750	45	25	100	360	1.54	360
R82K	820	45	25	100	350	1.61	400
R91K	910	40	25	50	320	1.68	380
1R0K	1000	35	25	50	290	1.75	370
1R2K	1200	35	7.9	50	250	2.00	310
1R5K	1500	28	7.9	50	200	2.30	330
1R8K	1800	28	7.9	50	160	2.60	300
2R2K	2200	28	7.9	50	160	2.80	280
2R7K	2700	22	7.9	25	140	3.20	290
3R3K	3300	22	7.9	25	110	3.40	290
3R9K	3900	20	7.9	25	100	3.60	260
4R7K	4700	20	7.9	25	90	4.00	260
5R6K	5600	20	7.9	25	80	5.70	240
6R8K	6800	20	7.9	25	70	7.70	200
8R2K	8200	20	7.9	25	60	10.7	150
AISC-1008F(L)							
1R2K	1.20	48	7.9	50	210	0.68	650
1R5K	1.50	41	7.9	50	190	0.76	630
1R8K	1.80	39	7.9	50	170	0.84	600
2R2K	2.20	34	7.9	50	150	1.10	520
2R7K	2.70	34	7.9	50	135	1.28	490
3R3K	3.30	32	7.9	50	120	1.46	450
3R9K	3.90	32	7.9	25	105	1.56	420
4R7K	4.70	31	7.9	25	90	1.68	400
5R6K	5.60	31	7.9	7.9	80	1.82	380
6R8K	6.80	31	7.9	7.9	70	2.00	360
8R2K	8.20	23	7.9	7.9	65	2.65	330
100K	10.0	31	7.9	7.9	60	2.95	300

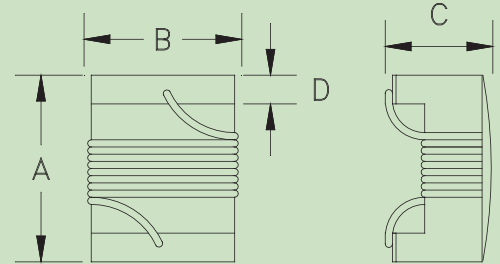
	AISC-1008	AISC-1008L
	AISC-1008F	AISC-1008FL
A (Max)	0.110 (2,80)	0.102 (2,60)
B (Max)	0.104 (2,65)	0.099 (2,50)
C (Max)	0.080 (2,03)	0.044 (2,03)
D (Max)	0.020 (0,50)	0.020 (0,50)

PHYSICAL CHARACTERISTICS:

Standard Dimension: With Cap



L Dimension: Without Cap



Dimension: inch/mm

TECHNICAL INFORMATION:

- Ordering Code: AISC-1008(F)(L)-XXX(Value) -(J)(K)-(G)(S)(T)
 - F = ferrite base, L = without cap
 - (G)(S)(T): G=Gold Plated, S=Solder Plated, T= Tape and Reel
 - Tolerance: G=±2%, J=±5%, K=±10%
 - Check SCD for detail available tolerance
 - Letter suffix indicates standard tolerance
 - Operating Temperature: -40°C to +125°C
- Note:** All specifications subject to change without notice.