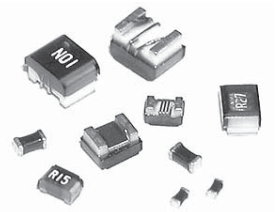
SURFACE-MOUNT CERAMIC WIRE-WOUND CHIP INDUCTORS

AISC-0402, AISC-0603 SERIES



FEATURES:
- Construction: Ceramic
- High Frequency Design

OPTIONS:
- Tape & Reel is standard
- Tolerance: J=5%, K=10% is standard

APPLICATIONS:
- Wireless Communications
- Networking System

STANDARD SPECIFICATIONS:

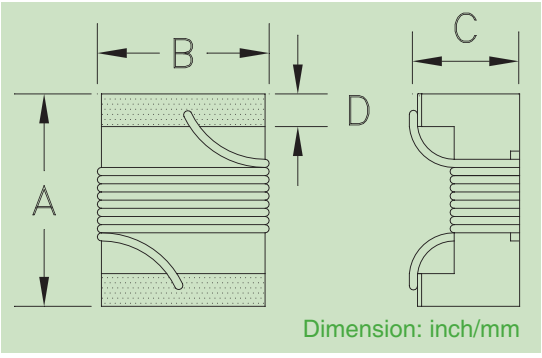
Part Number AISC-0402-	L (nH) @ 100MHz	Q Min @ 800MHz	SRF Min (MHz)	R_{DC} Max (Ω)	I_{DC} Max (mA)
1N0S	1.0	21	6000	0.05	400
1N2S	1.2	21	6000	0.06	400
1N5S	1.5	21	6000	0.07	400
1N8S	1.8	21	6000	0.08	400
2N2S	2.2	21	6000	0.09	400
2N7S	2.7	21	5500	0.10	400
3N3S	3.3	21	5500	0.12	400
3N9S	3.9	20	5200	0.15	360
4N7S	4.7	20	4800	0.17	360
5N6S	5.6	19	4600	0.19	340
6N8J	6.8	19	4000	0.30	320
8N2J	8.2	19	3500	0.35	320
10NJ	10	19	2800	0.41	320
12NJ	12	19	2800	0.45	320
15NJ	15	19	2500	0.60	240
18NJ	18	19	2200	0.70	240
22NJ	22	19	2000	0.80	200
27NJ	27	19	1800	1.20	200
33NJ	33	18	1800	1.40	170
39NJ	39	18	1800	1.70	150
47NJ	47	17	1800	2.10	140
56NJ	56	17	1500	2.50	130
68NJ	68	15	1500	4.00	120
82NJ	82	15	1400	4.50	110
R10J	100	14	1200	5.50	90

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
R0033	3.3	J,K,M	250	35	250	>6000	0.038	700
R0039	3.9	K,M	250	20	250	>6000	0.080	700
R0047	4.7	J,K,M	250	10	250	>6000	0.200	700
R0051	5.1	J,K,M	250	20	250	>5700	0.180	700
R0056	5.6	J,K,M	250	25	250	>6000	0.100	700
R0062	6.2	J,K,M	250	25	250	5800	0.100	700
R0068	6.8	K,M	250	25	250	5800	0.110	700
R0075	7.5	J,K,M	250	30	250	5700	0.120	700
R0082	8.2	J,K,M	250	31	250	5700	0.120	700
R0087	8.7	J,K,M	250	23	250	4800	0.120	700
R0095	9.5	J,K,M	250	28	250	5400	0.135	700
R010	10	G,J,K,M	250	30	250	4800	0.150	700
R011	11	J,K,M	250	30	250	4500	0.135	700
R012	12	G,J,K,M	250	30	250	4000	0.140	700
R015	15	G,J,K,M	250	30	250	4000	0.170	700
R018	18	G,J,K,M	250	30	250	3200	0.170	700
R022	22	G,J,K,M	250	35	250	3000	0.190	700
R024	24	J,K,M	250	35	250	2650	0.220	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	2100	0.280	600
R051	51	G,J,K,M	200	38	250	2100	0.280	700
R056	56	G,J,K,M	200	35	250	2000	0.310	600
R068	68	G,J,K,M	200	35	250	1850	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	1100	1.25	240
R22	220	J,K,M	100	25	100	1000	1.50	200
R27	270	J,K,M	100	25	100	860	1.80	170
R33	330	J,K,M	100	24	100	600	2.00	150
R39	390	J,K,M	100	23	100	460	2.10	120

TECHNICAL INFORMATION:
- Ordering Code: AISC-XXXX(Size)-XXX(Value) -(S)(J)(K)-T(Tape and Reel)
- Tolerance: S=±0.3nH, 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.

PHYSICAL CHARACTERISTICS:



	AISC-0402	AISC-0603
A	0.040±0.006 (1,00±0,15)	0.063±0.008 (1,60±0,20)
B	0.020±0.006 (0,50±0,15)	0.031±0.008 (0,80±0,20)
C	0.020±0.006 (0,50±0,015)	0.031±0.008 (0,80±0,20)
D	0.010±0.004 (0,25±0,10)	0.012±0.008 (0,30±0,20)

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