

# SURFACE MOUNT CERAMIC WIRE-WOUND CHIP INDUCTORS



AISC - 0402

## FEATURES:

- Construction: Ceramic
- High Frequency Design

## OPTIONS:

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

## APPLICATIONS:

- Wireless Communications
- Networking System

## ELECTRICAL SPECIFICATIONS:

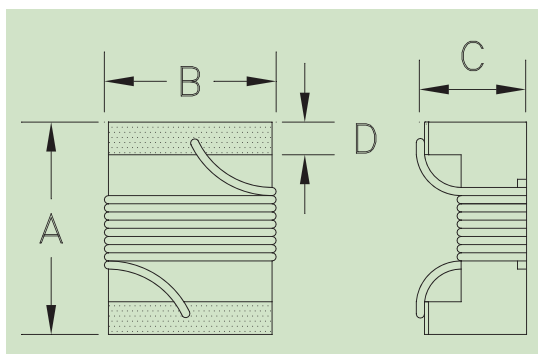
Part Number AISC-0402	L (nH) @ 100MHz	Q Min @ 800MHz	SRF Min (MHz)	R <sub>DC</sub> Max (Ω)	I <sub>DC</sub> Max (mA)
1N0S	1.0	21	6000	0.05	400
1N2S	1.2	21	6000	0.06	400
1N5S	1.5	21	6000	0.07	400
1N8S	1.8	21	6000	0.08	400
2N2S	2.2	21	6000	0.09	400
2N7S	2.7	21	5500	0.10	400
3N3S	3.3	21	5500	0.12	400
3N9S	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

## 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.

## OUTLINE DRAWING:



	AISC-0402
A	0.040±0.006 (1.00±0.15)
B	0.020±0.006 (0.50±0.15)
C	0.020±0.006 (0.50±0.015)
D	0.010±0.004 (0.25±0.10)

Dimensions: Inch  
(mm)