

# MULTILAYER CERAMIC CHIP INDUCTORS



## AIMC-0402, AIMC-0603 SERIES

### FEATURES:

- Ceramic base
- High SRF and Q
- Avoid crosstalk

### OPTIONS:

- Tape & Reel is standard

### APPLICATIONS:

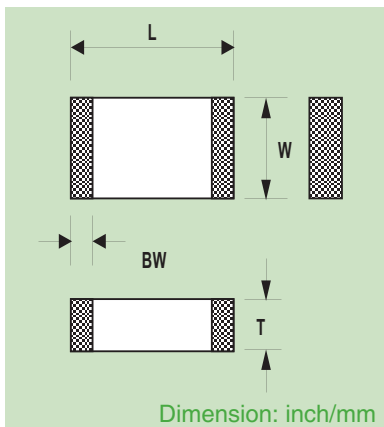
- Wireless application
- PDA, Mobil Phone

### STANDARD SPECIFICATIONS:

Part Number AIMC-0402	L (nH)	Q Min	SRF Min (MHz)	R <sub>DC</sub> Max (Ω)	I <sub>RATE</sub> Max (mA)
R0010S	1.0	11	10000	0.05	400
R0012S	1.2	11	10000	0.06	400
R0015S	1.5	11	6000	0.07	400
R0018S	1.8	10	6000	0.08	400
R0022S	2.2	10	6000	0.09	400
R0027S	2.7	10	6000	0.10	400
R0033S	3.3	10	6000	0.12	400
R0039S	3.9	10	4000	0.15	360
R0047S	4.7	10	4000	0.17	360
R0056S	5.6	10	4000	0.19	340
R0068J	6.8	10	3900	0.30	300
R0082J	8.2	10	3600	0.35	300
R010J	10	10	3200	0.41	300
R012J	12	10	2700	0.45	300
R013J	13	10	2400	0.50	300
R015J	15	10	2300	0.55	300
R018J	18	10	2100	0.65	300
R022J	22	10	1900	0.80	300
R027J	27	10	1600	0.90	300
R033J	33	10	1300	1.00	200
R039J	39	10	1200	1.20	180
R047J	47	10	1000	1.30	180
R056J	56	10	750	1.40	180
R068J	68	8	750	1.90	150
R082J	82	8	600	2.30	100
R10J	100	8	600	2.90	90

Part Number AIMC-0603	L (nH)	Q Min	SRF Min (MHz)	R <sub>DC</sub> Max (Ω)	I <sub>RATE</sub> Max (mA)
R0015S	1.5	14	10000	0.10	500
R0018S	1.8	14	9800	0.12	500
R0022S	2.2	14	7600	0.20	500
R0027S	2.7	12	7000	0.20	500
R0033S	3.3	12	6200	0.20	500
R0039S	3.9	12	5600	0.20	500
R0047S	4.7	12	4800	0.20	500
R0056K	5.6	12	4600	0.30	500
R0068K	6.8	12	4200	0.30	500
R0082K	8.2	12	3600	0.30	500
R010J	10	13	3200	0.50	300
R012J	12	13	2800	0.50	300
R015J	15	13	2600	0.60	300
R018J	18	13	2400	0.60	300
R022J	22	15	2000	0.60	300
R027J	27	14	1900	0.80	300
R033J	33	14	1600	0.80	300
R039J	39	14	1400	0.80	300
R047J	47	15	1200	1.00	200
R056J	56	17	1000	1.00	200
R068J	68	17	900	1.00	200
R082J	82	17	800	1.00	200
R10J	100	17	700	1.00	200
R12J	120	15	600	1.20	300
R15J	150	13	500	1.20	300
R18J	180	13	400	1.30	300
R22J	220	12	400	1.30	300

### PHYSICAL CHARACTERISTICS:



	AIMC-0402	AIMC-0603
Length (L)	0.040±0.006 (1,00±0,15)	0.063±0.006 (1,60±0,15)
Width (W)	0.020±0.006 (0,50±0,15)	0.031±0.006 (0,80±0,15)
Thickness (T)	0.020±0.006 (0,50±0,015)	0.031±0.006 (0,80±0,15)
Termination (BW)	0.010±0.004 (0,25±0,10)	0.012±0.008 (0,30±0,20)

- Ordering Code: AIMC-XXXX(Size)-RXXX(Value)-(S)(J)(K)-T(T&R)
- L & Q test at 100MHz except L ≥ 120nH is tested at 50MHz
- See Source Control Drawing ( SCD ) for detail electrical performance
- Tolerance: S=±0.3nH, J=±5%, K=±10%
- Letter suffix indicates standard tolerance
- Operating Temperature: -40°C to +125°C

Note: All specifications subject to change without notice.