

# MULTILAYER CERAMIC CHIP INDUCTORS



## AIMC-0805 SERIES

### FEATURES:

- Ceramic base
- Excellent SRF & Q

### OPTIONS:

- Tape & Reel is standard
- See SCD for options

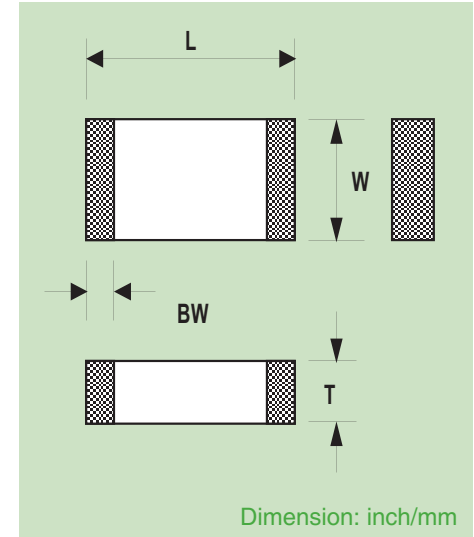
### APPLICATIONS:

- Digital Communication
- Wireless Equipment

### STANDARD SPECIFICATIONS:

Part Number AIMC-0805	L (nH)	Q (MHz) Typical			SRF (MHz) Min	R <sub>DC</sub> Max (Ω)	I <sub>RATE</sub> Max (mA)
		100	800	1800			
R0012S	1.2	13	55	100	6000	0.10	600
R0015S	1.5	13	55	100	6000	0.10	600
R0018S	1.8	13	55	100	6000	0.10	600
R0022S	2.2	13	45	100	6000	0.10	600
R0027S	2.7	13	45	100	6000	0.10	600
R0033S	3.3	15	52	100	6000	0.13	600
R0039S	3.9	15	55	100	5400	0.15	600
R0047S	4.7	15	53	100	4500	0.20	400
R0056K	5.6	16	45	95	4000	0.23	400
R0068K	6.8	16	45	96	3650	0.25	400
R0082K	8.2	16	45	96	3000	0.28	400
R010J	10	16	45	72	2500	0.30	300
R012J	12	16	45	52	2450	0.35	300
R015J	15	18	43	56	2000	0.40	300
R018J	18	18	42	28	1750	0.45	300
R022J	22	17	45	28	1700	0.50	300
R027J	27	17	45	14	1550	0.55	300
R033J	33	18	40	6	1350	0.60	300
R039J	39	19	31	-	1300	0.65	300
R047J	47	20	31	-	1200	0.70	300
R056J	56	21	35	-	1150	0.75	300
R068J	68	19	29	-	1000	0.80	300
R082J	82	19	27	-	850	0.90	300
R10J	100	13	26	-	600	1.00	300
R12J	120	19	15	-	500	1.50	300
R15J	150	19	-	-	500	1.50	300
R18J	180	19	-	-	400	2.10	300
R22J	220	13	-	-	350	2.10	200
R27J	270	19	-	-	300	3.00	200
R33J	330	19	-	-	250	3.00	200
R39J	390	19	-	-	250	3.50	200
R47J	470	19	-	-	200	3.50	200

### PHYSICAL CHARACTERISTICS:



	ACML-0805
Length (L)	0.079±0.012, -0.004 (2,00±0,30, -0,10)
Width (W)	0.049±0.008 (1,25±0,20)
Thickness (T) (See below)	0.033±0.012 (0,85±0,30)
Termination (BW)	0.020±0.012 (0,50±0,30)

### THICKNESS:

- R0015S~R0082K: T=0.023±0.008 (0,58±0,20)
- R047J~R47J: T=0.033±0.012 (0,84±0,30)
- R010J~R039J: T=0.039±0.012 (1,00±0,30)

### TECHNICAL INFORMATION:

- Ordering Code: AIMC-0805-RXXX(Value)-(S)(J)(K)-T(T&R)
- L test at 100MHz except L ≥ 120nH is tested at 50MHz
- 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