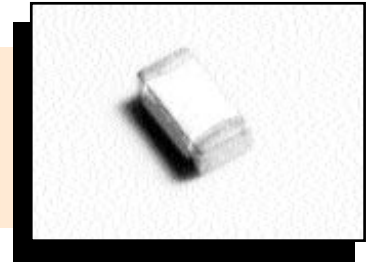


SURFACE-MOUNT CERAMIC CHIP INDUCTORS

AIMC SERIES

0805



FEATURES:

- Construction: Ceramic
- High Frequency Design
- Avoid Crosstalk
- Excellent Q Values
- Excellent SRF
- High Reliability
- Excellent Thermal Stability

OPTIONS:

- Tape & Reel is Standard (Qty: 3000 pcs.)
Bulk Packaging Available for Smaller Quantities
- Tolerance: J=5%, K=10% is standard
Tighter Tolerances Available

COMMON APPLICATIONS:

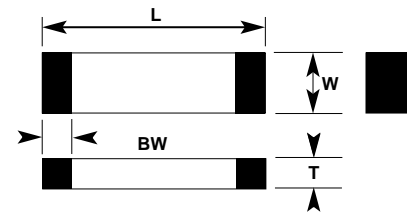
- Modems
- Mobile Radios
- Cordless Telephones
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System
- Computer Products and Peripherals

STANDARD SPECIFICATIONS

Part Number	L (μH) J=±5% K=±10% S=±0.3nH	Q Min	L:Q Test Freq (MHz)	SRF Min (MHz)	RDC Max (Ω)	IDC Max (mA)
0805 Series						
AIMC-0805-R0015S	0.0015	13	100	6000	0.10	600
AIMC-0805-R0018S	0.0018	13	100	6000	0.10	600
AIMC-0805-R0022S	0.0022	13	100	6000	0.10	600
AIMC-0805-R0027S	0.0027	13	100	6000	0.10	600
AIMC-0805-R0033S	0.0033	13	100	6000	0.13	600
AIMC-0805-R0039S	0.0039	15	100	5400	0.15	600
AIMC-0805-R0047S	0.0047	15	100	4500	0.20	400
AIMC-0805-R0056S	0.0056	15	100	4000	0.23	400
AIMC-0805-R0068S	0.0068	15	100	3650	0.25	400
AIMC-0805-R0082S	0.0082	15	100	3000	0.28	400
AIMC-0805-R010J	0.010	16	100	2500	0.30	300
AIMC-0805-R012J	0.012	16	100	2450	0.35	300
AIMC-0805-R015J	0.015	17	100	2000	0.40	300
AIMC-0805-R018J	0.018	17	100	1750	0.45	300
AIMC-0805-R022J	0.022	17	100	1700	0.50	300
AIMC-0805-R027J	0.027	18	100	1550	0.55	300
AIMC-0805-R033J	0.033	18	100	1350	0.60	300
AIMC-0805-R039J	0.039	18	100	1300	0.65	300
AIMC-0805-R047J	0.047	18	100	1200	0.70	300
AIMC-0805-R056J	0.056	19	100	1150	0.75	300
AIMC-0805-R068J	0.068	19	100	1000	0.80	300
AIMC-0805-R082J	0.082	20	100	850	0.90	300
AIMC-0805-R10J	0.10	18	100	600	1.00	300
AIMC-0805-R12J	0.12	19	50	500	1.50	300
AIMC-0805-R15J	0.15	20	50	500	1.50	300
AIMC-0805-R18J	0.18	20	50	400	2.10	300
AIMC-0805-R22J	0.22	20	50	350	2.10	300
AIMC-0805-R27J	0.27	20	50	300	3.00	200
AIMC-0805-R33J	0.33	20	50	250	3.00	200
AIMC-0805-R39J	0.39	20	50	250	3.50	200
AIMC-0805-R47J	0.47	20	50	200	3.50	200

Note: All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS



Dimensions: Inches (mm)

	AIMC-0805
Length (L)	0.079+0.012,-0.004 (2.0+3,-0.1)
Width (W)	0.049±0.008 (1.25±0.2)
Thickness (T)	0.033±0.012 (0.85±0.3)
Termination (BW)	0.02±0.012 (0.5±0.3)

R0015S~R0082K: T=0.023±0.008 (0.58 ±0.2)

R047J~R47J : T=0.033±0.012 (0.84 ±0.3)

R010J~R039J : T=0.039±0.012 (1.0 ±0.3)

TECHNICAL INFORMATION:

- Testing: HP4291A
- Solderability: 90% of the terminal electrode shall be covered
Preheat: @135°C±15°C for 60 seconds
- Solder Temperature: 230±5°C
- Operating Temperature: -55°C to +125°C

