



SURFACE-MOUNT CERAMIC CHIP INDUCTORS

AIMC-0402, -0603 SERIES

STANDARD SPECIFICATIONS

Part Number ²	L (μH ¹)	Q (MIN)	L,Q Test (MHz)	SRF (MIN) (MHz)	DCR (Ω) (MAX)	I _{dc} (mA) (MAX)
AIMC-0402-R0010S	0.0010	8	100	6000	0.05	400
AIMC-0402-R0012S	0.0012	8	100	6000	0.06	400
AIMC-0402-R0015S	0.0015	8	100	6000	0.07	400
AIMC-0402-R0018S	0.0018	8	100	6000	0.08	400
AIMC-0402-R0022S	0.0022	8	100	5500	0.09	400
AIMC-0402-R0027S	0.0027	8	100	5500	0.10	400
AIMC-0402-R0033S	0.0033	7	100	5500	0.12	400
AIMC-0402-R0039S	0.0039	7	100	5200	0.15	360
AIMC-0402-R0047S	0.0047	7	100	4800	0.17	360
AIMC-0402-R0056S	0.0056	7	100	4600	0.19	340
AIMC-0402-R0068J	0.0068	8	100	4000	0.30	300
AIMC-0402-R0082J	0.0082	8	100	3600	0.35	300
AIMC-0402-R010J	0.010	8	100	3200	0.41	300
AIMC-0402-R012J	0.012	8	100	2800	0.45	300
AIMC-0402-R015J	0.015	8	100	2500	0.55	300
AIMC-0402-R018J	0.018	8	100	2200	0.65	300
AIMC-0402-R022J	0.022	8	100	2000	0.80	300
AIMC-0402-R027J	0.027	8	100	1600	0.90	300
AIMC-0402-R033J	0.033	8	100	1300	1.00	200
AIMC-0402-R039J	0.039	8	100	1200	1.20	180
AIMC-0402-R047J	0.047	8	100	1000	1.30	180
AIMC-0402-R056J	0.056	8	100	900	1.40	180

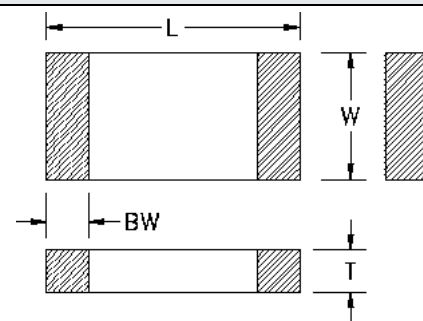
Part Number ²	L (μH ¹)	Q (MIN)	L,Q Test (MHz)	SRF (MIN) (MHz)	DCR (Ω) (MAX)	I _{dc} (mA) (MAX)
AIMC-0603-R0015S	0.0015	8	100	10000	0.10	500
AIMC-0603-R0018S	0.0018	8	100	9800	0.12	500
AIMC-0603-R0022S	0.0022	8	100	7600	0.20	500
AIMC-0603-R0027S	0.0027	8	100	7000	0.20	500
AIMC-0603-R0033S	0.0033	8	100	6200	0.20	500
AIMC-0603-R0039S	0.0039	8	100	5600	0.20	500
AIMC-0603-R0047S	0.0047	8	100	4800	0.20	500
AIMC-0603-R0056S	0.0056	8	100	4600	0.30	500
AIMC-0603-R0068S	0.0068	8	100	4200	0.30	500
AIMC-0603-R0082S	0.0082	8	100	3600	0.30	500
AIMC-0603-R010J	0.010	8	100	3200	0.50	300
AIMC-0603-R012J	0.012	8	100	2800	0.50	300
AIMC-0603-R015J	0.015	8	100	2600	0.60	300
AIMC-0603-R018J	0.018	8	100	2400	0.60	300
AIMC-0603-R022J	0.022	8	100	2000	0.60	300
AIMC-0603-R027J	0.027	8	100	1900	0.80	300
AIMC-0603-R033J	0.033	8	100	1600	0.80	300
AIMC-0603-R039J	0.039	8	100	1400	0.80	300
AIMC-0603-R047J	0.047	8	100	1200	1.00	300
AIMC-0603-R056J	0.056	8	100	1000	1.00	200
AIMC-0603-R068J	0.068	8	100	900	1.00	200
AIMC-0603-R082J	0.082	8	100	800	1.00	200
AIMC-0603-R10J	0.100	8	100	800	1.00	200
AIMC-0603-R12J	0.120	8	50	600	1.20	300
AIMC-0603-R15J	0.150	8	50	500	1.20	300
AIMC-0603-R18J	0.180	8	50	400	1.30	300
AIMC-0603-R22J	0.220	8	50	400	1.20	300

Notes:

- Tolerance specified as : S = 0.3nH, K = 10%
J = 5%, M = 20%
- Letter suffix indicates standard tolerance
- Dimensions: inches / mm; see spec sheet for tolerance limits
- Specifications subject to change without notice

	Length ³ (L)	Width ³ (W)	Thickness ³ (T)	Termination ³ (BW)
AIMC-0402	0.040±0.006 (1,0±0,15)	0.020±0.006 (0,5±0,015)	0.020±0.006 (0,5±0,015)	0.01±0.004 (0,25±0,1)
AIMC-0603	0.063±0.006 (1,6±0,15)	0.031±0.006 (0,8±0,15)	0.031±0.006 (0,8±0,15)	0.012±0.008 (0,3±0,2)

PHYSICAL CHARACTERISTICS



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