



SURFACE-MOUNT MULTILAYER CHIP INDUCTORS

AIML-0402, -0603 SERIES

STANDARD SPECIFICATIONS

Part Number ²	L (mH ¹)	Q (MIN)	L,Q Test (MHz)	SRF (MIN) (MHz)	DCR W (MAX)	I _{dc} (mA) (MAX)
AIML-0402-R047M	0.047	10	50	220	0.45	25
AIML-0402-R068M	0.068	10	50	210	0.45	25
AIML-0402-R068M	0.082	10	50	200	0.45	25
AIML-0402-R10K	0.10	15	25	200	0.80	25
AIML-0402-R12K	0.12	15	25	200	0.80	25
AIML-0402-R15K	0.15	15	25	140	0.90	25
AIML-0402-R18K	0.18	15	25	120	0.90	25
AIML-0402-R22K	0.22	15	25	110	1.20	25
AIML-0402-R27K	0.27	15	25	95	1.20	25
AIML-0402-R33K	0.33	15	25	85	1.25	18
AIML-0402-R39K	0.39	15	25	70	1.50	1
AIML-0402-R47K	0.47	15	25	68	2.00	18
AIML-0402-R56K	0.56	15	25	55	2.35	18
AIML-0402-R68K	0.68	15	25	50	2.55	18
AIML-0402-R82K	0.82	15	25	45	3.15	18
AIML-0402-1R0K	1.0	20	10	40	0.90	15
AIML-0402-1R2K	1.2	20	10	35	1.20	15
AIML-0402-1R5K	1.5	20	10	30	1.20	15
AIML-0402-1R8K	1.8	20	10	30	1.45	15
AIML-0402-2R2K	2.2	20	10	28	1.75	10
AIML-0402-2R7K	2.7	20	10	22	2.00	10
AIML-0402-3R3K	3.3	20	10	20	2.35	10
AIML-0402-3R9K	3.9	20	10	18	2.55	10
AIML-0402-4R7K	4.7	20	10	15	3.15	10
AIML-0402-5R6K	5.6	20	4	13	2.35	3
AIML-0402-6R8K	6.8	20	4	11	2.55	3
AIML-0402-8R2K	8.2	20	4	10	3.15	3
AIML-0402-100K	10	20	2	9	3.45	2

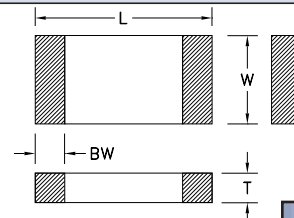
Part Number ²	L (mH ¹)	Q (MIN)	L,Q Test (MHz)	SRF (MIN) (MHz)	DCR W (MAX)	I _{dc} (mA) (MAX)
AIML-0603-R047M	0.047	10	50	260	0.30	50
AIML-0603-R068M	0.068	10	50	250	0.30	50
AIML-0603-R082M	0.082	10	50	245	0.30	50
AIML-0603-R10K	0.10	15	25	240	0.50	50
AIML-0603-R12K	0.12	15	25	205	0.50	50
AIML-0603-R15K	0.15	15	25	180	0.60	50
AIML-0603-R18K	0.18	15	25	165	0.60	50
AIML-0603-R22K	0.22	15	25	150	0.80	50
AIML-0603-R27K	0.27	15	25	136	0.80	50
AIML-0603-R33K	0.33	15	25	125	0.85	35
AIML-0603-R39K	0.39	15	25	110	1.00	35
AIML-0603-R47K	0.47	15	25	105	1.35	35
AIML-0603-R56K	0.56	15	25	95	1.55	35
AIML-0603-R68K	0.68	15	25	90	1.70	35
AIML-0603-R82K	0.82	15	25	85	2.10	35
AIML-0603-1R0K	1.0	20	10	75	0.60	25
AIML-0603-1R2K	1.2	20	10	65	0.80	25
AIML-0603-1R5K	1.5	20	10	60	0.80	25
AIML-0603-1R8K	1.8	20	10	55	0.95	25
AIML-0603-2R2K	2.2	20	10	50	1.15	15
AIML-0603-2R7K	2.7	20	10	45	1.35	15
AIML-0603-3R3K	3.3	20	10	40	1.55	15
AIML-0603-3R9K	3.9	20	10	35	1.70	15
AIML-0603-4R7K	4.7	20	10	33	2.10	15
AIML-0603-5R6K	5.6	20	4	22	1.55	5
AIML-0603-6R8K	6.8	20	4	20	1.70	5
AIML-0603-8R2K	8.2	20	4	18	2.10	5
AIML-0603-100K	10	20	2	17	1.85	3
AIML-0603-120K	12	20	2	15	2.10	3
AIML-0603-150K	15	20	1	14	1.70	1
AIML-0603-180K	18	20	1	13	1.85	1
AIML-0603-220K	22	20	1	11	2.10	1
AIML-0603-270K	27	20	1	10	2.75	1
AIML-0603-330K	33	20	1	9	2.95	1

Notes:

1. Tolerance specified as : J = 5%, K = 10%, M = 20%
2. Letter suffix indicates standard tolerance
3. Dimensions: inches / mm; see spec sheet for tolerance limits
4. Specifications subject to change without notice

	Length ³ (L)	Width ³ (W)	Thickness ³ (T)	Termination ³ (BW)
AIML-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)
AIML-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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