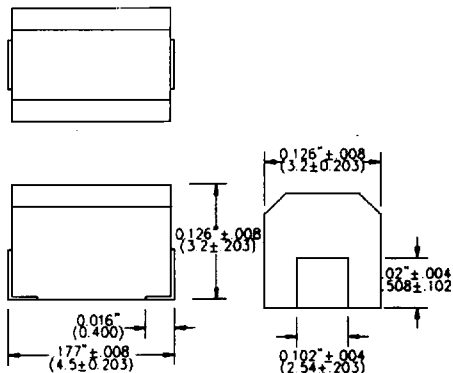


Molded
SURFACE MOUNT INDUCTORS
1812M Series

1812M
Dimensions (mm)



Inductance Range	0.10μH to 1000μH
Inductance Tolerance	±20% for 0.10μH to 0.82μH
	±10% for 1.0μH to 1000μH
	contact factory for special tolerances
Temperature Range	-20°C to +100°C
Packaging	Tape & Reel or Bulk
Testing Procedures	L&Q are measured with HP4101A & HP4342A

Part Number	L (μ H)	Q min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated DC Curr. max(mA)
1812MR10M	.10	28	25.2	700	0.44	450
1812MR12M	.12	30	25.2	500	0.22	450
1812MR15M	.15	30	25.2	450	0.25	450
1812MR18M	.18	30	25.2	400	0.28	450
1812MR22M	.22	30	25.2	350	0.32	450
1812MR27M	.27	30	25.2	320	0.36	450
1812MR33M	.33	30	25.2	300	0.40	450
1812MR39M	.39	30	25.2	250	0.45	450
1812MR47M	.47	30	25.2	220	0.50	450
1812MR56M	.56	30	25.2	180	0.55	450
1812MR68M	.68	30	25.2	160	0.60	450
1812MR82M	.82	30	25.2	140	0.67	450
1812M1R0K	1.0	50	7.96	100	0.50	450
1812M1R2K	1.2	50	7.96	80	0.55	430
1812M1R5K	1.5	50	7.96	70	0.60	410
1812M1R8K	1.8	50	7.96	60	0.65	390
1812M2R2K	2.2	50	7.96	55	0.70	380
1812M2R7K	2.7	50	7.96	50	0.75	310
1812M3R3K	3.3	50	7.96	45	0.80	355
1812M3R9K	3.9	50	7.96	40	0.90	330
1812M4R7K	4.7	50	7.96	35	1.00	315
1812M5R6K	5.6	50	7.96	33	1.10	300
1812M6R8K	6.8	50	7.96	27	1.20	285
1812M8R2K	8.2	50	7.96	25	1.40	270
1812M100K	10	50	2.52	20	1.60	250

<u>Part Number</u>	<u>L (uH)</u>	<u>Q min.</u>	<u>Test Freq. (MHz)</u>	<u>SRF Min. (MHz)</u>	<u>DCR Max. (Ω)</u>	<u>RatedDC Curr. max(mA)</u>
1812M120K	12	50	2.52	18	2.00	225
1812M150K	15	50	2.52	17	2.50	200
1812M180K	18	50	2.52	15	2.80	190
1812M220K	22	50	2.52	13	3.20	180
1812M270K	27	50	2.52	12	3.60	170
1812M330K	33	50	2.52	11	4.00	160
1812M390K	39	50	2.52	10	4.50	150
1812M470K	47	50	2.52	10	5.00	140
1812M560K	56	50	2.52	9.0	5.50	135
1812M680K	68	50	2.52	9.0	6.00	130
1812M820K	82	50	2.52	8.0	7.00	120
1812M101K	100	40	0.796	7.0	8.00	110
1812M121K	120	40	0.796	6.0	8.00	110
1812M151K	150	40	0.796	5.0	9.00	105
1812M181K	180	40	0.796	5.0	9.50	102
1812M221K	220	40	0.796	4.0	10.0	100
1812M271K	270	40	0.796	4.0	12.0	92
1812M331K	330	40	0.796	3.5	14.0	85
1812M391K	390	40	0.796	3.0	16.0	80
1812M471K	470	40	0.796	3.0	26.0	62
1812M561K	560	30	0.796	3.0	30.0	50
1812M681K	680	30	0.796	3.0	30.0	50
1812M821K	820	30	0.796	2.0	35.0	30
1812M102K	1000	30	0.796	2.0	40.0	30

All specifications subject to change without notice

Letter suffix on part number denotes tolerance: M = $\pm 20\%$, K = $\pm 10\%$, J = $\pm 5\%$

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