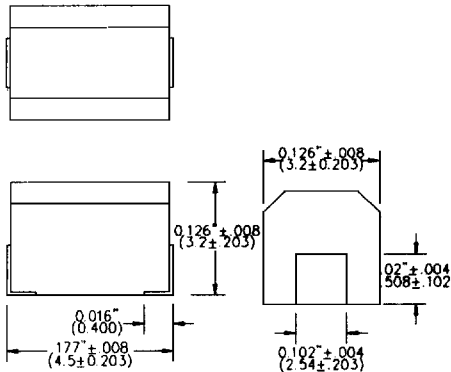


Shielded SURFACE MOUNT INDUCTORS 1812S Series

1812S 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 (μH)	Q min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	RatedDC Curr. max(mA)	Part Number	L (μH)	Q min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	RatedDC Curr. max(mA)
1812SR10M	.10	30	25.2	460	0.23	450	1812S120K	12	50	2.52	22	1.00	65
1812SR12M	.12	30	25.2	400	0.26	450	1812S150K	15	50	2.52	18	1.10	60
1812SR15M	.15	30	25.2	390	0.29	450	1812S180K	18	50	2.52	15	1.24	57
1812SR18M	.18	30	25.2	350	0.32	450	1812S220K	22	50	2.52	14	1.36	54
1812SR22M	.22	30	25.2	310	0.36	450	1812S270K	27	50	2.52	13	1.56	50
1812SR27M	.27	30	25.2	280	0.40	450	1812S330K	33	50	2.52	12	1.72	47
1812SR33M	.33	30	25.2	240	0.45	450	1812S390K	39	50	2.52	11	1.89	44
1812SR39M	.39	30	25.2	215	0.60	410	1812S470K	47	50	2.52	9	2.10	41
1812SR47M	.47	30	25.2	205	0.75	370	1812S560K	56	50	2.52	8	2.34	39
1812SR56M	.56	30	25.2	195	0.80	355	1812S680K	68	50	2.52	7.6	2.60	36
1812SR68M	.68	30	25.2	165	0.95	310	1812S820K	82	50	2.52	7.2	2.86	34
1812SR82M	.82	30	25.2	155	1.20	285	1812S101K	100	50	0.796	7.0	3.25	32
1812S1R0K	1.0	30	7.96	140	0.35	150	1812S121K	120	50	0.796	6.0	3.64	30
1812S1R2K	1.2	30	7.96	120	0.38	145	1812S151K	150	50	0.796	5.0	4.16	28
1812S1R5K	1.5	30	7.96	100	0.40	140	1812S181K	180	40	0.796	4.5	5.72	26
1812S1R8K	1.8	30	7.96	90	0.43	130	1812S221K	220	40	0.796	4.2	6.30	24
1812S2R2K	2.2	30	7.96	80	0.46	120	1812S271K	270	40	0.796	4.0	6.90	23
1812S2R7K	2.7	30	7.96	67	0.49	110	1812S331K	330	40	0.796	3.7	7.54	22
1812S3R3K	3.3	30	7.96	61	0.55	105	1812S391K	390	40	0.796	3.5	8.20	21
1812S3R9K	3.9	30	7.96	56	0.59	100	1812S471K	470	40	0.796	3.3	9.20	19
1812S4R7K	4.7	30	7.96	50	0.62	92	1812S561K	560	40	0.796	2.8	10.5	18
1812S5R6K	5.6	30	7.96	40	0.63	86	1812S681K	680	40	0.796	2.6	12.0	17
1812S6R8K	6.8	30	7.96	32	0.75	80	1812S821K	820	40	0.796	2.2	13.5	16
1812S8R2K	8.2	30	7.96	30	0.82	75	1812S102K	1000	40	0.252	2.0	16.0	15
1812S100K	10	50	2.52	25	0.90	70							

All specifications subject to change without notice

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

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