

SMRF1812S

SMRF1812S*

Wirewound, Shielded, Molded


PART NUMBER	L μ H	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR OHMS MAX	CURRENT RATING mA DC	INC I mA DC
FERRITE CORE							
SMRF1812S-100*1	0.10	50	25	460	0.052	1959	2250
SMRF1812S-120*1	0.12	50	25	400	0.060	1824	2000
SMRF1812S-150*1	0.15	50	25	390	0.060	1824	1800
SMRF1812S-180*1	0.18	50	25	350	0.072	1665	1636
SMRF1812S-220*1	0.22	50	25	310	0.078	1600	1500
SMRF1812S-270*1	0.27	50	25	280	0.094	1457	1385
SMRF1812S-330*1	0.33	40	25	240	0.101	1406	1286
SMRF1812S-390*1	0.39	40	25	215	0.109	1353	1200
SMRF1812S-470*1	0.47	40	25	205	0.143	1182	1059
SMRF1812S-560*1	0.56	40	25	185	0.151	1150	947
SMRF1812S-680*1	0.68	40	25	166	0.160	1117	900
SMRF1812S-820*1	0.82	40	25	155	0.178	1059	750
SMRF1812S-101*2	1.0	40	7.9	160	0.143	1182	1236
SMRF1812S-121*2	1.2	40	7.9	112	0.151	1150	1164
SMRF1812S-151*2	1.5	40	7.9	65	0.178	1059	989
SMRF1812S-181*2	1.8	40	7.9	60	0.182	1047	942
SMRF1812S-221*2	2.2	40	7.9	55	0.208	980	824
SMRF1812S-271*2	2.7	40	7.9	50	0.237	918	761
SMRF1812S-331*2	3.3	40	7.9	45	0.264	870	682
SMRF1812S-391*2	3.9	40	7.9	40	0.282	841	638
SMRF1812S-471*2	4.7	40	7.9	35	0.312	800	582
SMRF1812S-561*2	5.6	40	7.9	30	0.356	749	521
SMRF1812S-681*2	6.8	40	7.9	28	0.394	712	471
SMRF1812S-821*2	8.2	40	7.9	25	0.430	681	430

*1 Suffix "M" for 20% tolerance or Suffix "K" for 10% tolerance

continued next page

*2 Suffix "K" for 10% tolerance or Suffix "J" for 5% tolerance

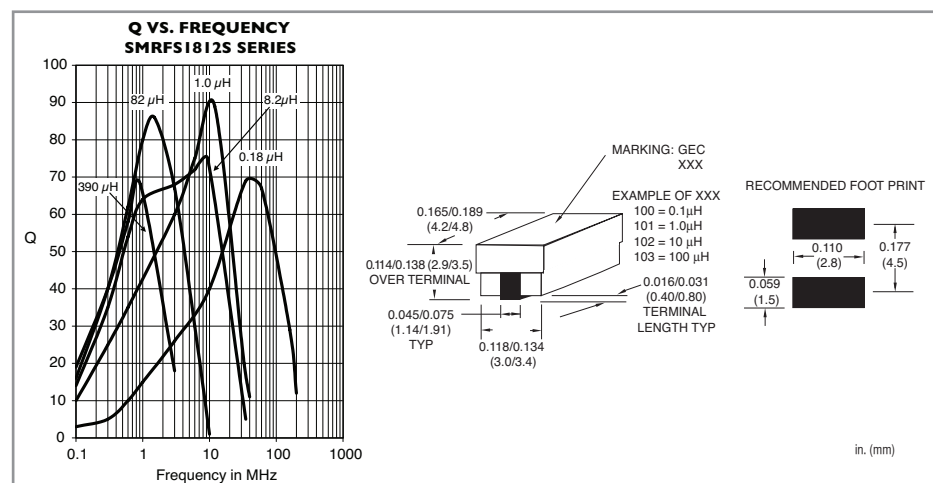
Optional tolerances available; please contact factory

Custom designs are available to meet your specific requirements; please contact factory

***Add "LF" suffix for RoHS requirement. Example: SMRF1812S-100MLF**

Gowanda designates a component RoHS-compliant by adding "LF" (lead free) to the part number.

These LF components meet the $\leq .1\%$ lead requirement and they are compatible with 260°C soldering processes.



NOTES:

- Operating Temperature Range:
-55°C to +125°C
- Current Rating is based on a 35°C temperature rise at an ambient temperature of 90°C
- Incremental Current is the current which causes a 5% maximum change in inductance
- Epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering

TAPE AND REEL SPECS:

Pcs./Reel maximum:	2200
Pitch between parts:	8 mm
Tape width:	12 mm
Reel diameter:	13 in.

continued from previous page

SMRF1812S

SMRF1812S*

Wirewound, Shielded, Molded


PART NUMBER	L μ H	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR OHMS MAX	CURRENT RATING mA DC	INC I mA DC
FERRITE CORE							
SMRF1812S-102*2	10	50	2.5	23	0.520	620	342
SMRF1812S-122*2	12	50	2.5	20	0.585	584	306
SMRF1812S-152*2	15	50	2.5	18	0.858	482	278
SMRF1812S-182*2	18	50	2.5	15	0.962	456	254
SMRF1812S-222*2	22	50	2.5	14	1.300	392	228
SMRF1812S-272*2	27	50	2.5	13	1.560	358	207
SMRF1812S-332*2	33	50	2.5	12	2.210	301	181
SMRF1812S-392*2	39	50	2.5	11	2.340	292	174
SMRF1812S-472*2	47	50	2.5	9.0	2.600	277	159
SMRF1812S-562*2	56	50	2.5	8.0	2.860	264	146
SMRF1812S-682*2	68	50	2.5	7.6	3.308	243	133
SMRF1812S-822*2	82	50	2.5	7.2	3.600	235	122
SMRF1812S-103*2	100	40	0.79	7.0	3.660	234	105
SMRF1812S-123*2	120	40	0.79	6.0	4.000	223	95
SMRF1812S-153*2	150	40	0.79	5.0	4.710	206	85
SMRF1812S-183*2	180	40	0.79	4.5	5.100	198	78
SMRF1812S-223*2	220	40	0.79	4.2	6.110	181	70
SMRF1812S-273*2	270	40	0.79	4.0	8.390	154	64
SMRF1812S-333*2	330	40	0.79	3.7	9.690	144	57
SMRF1812S-393*2	390	40	0.79	3.5	12.0	129	53
SMRF1812S-473*2	470	40	0.79	3.3	13.5	122	48
SMRF1812S-563*2	560	40	0.79	2.8	17.8	106	47
SMRF1812S-683*2	680	40	0.79	2.6	19.3	102	45
SMRF1812S-823*2	820	40	0.79	2.2	25.1	89	41
SMRF1812S-104*2	1000	40	0.79	2.0	27.7	85	37

*1 Suffix "M" for 20% tolerance or Suffix "K" for 10% tolerance

*2 Suffix "K" for 10% tolerance or Suffix "J" for 5% tolerance

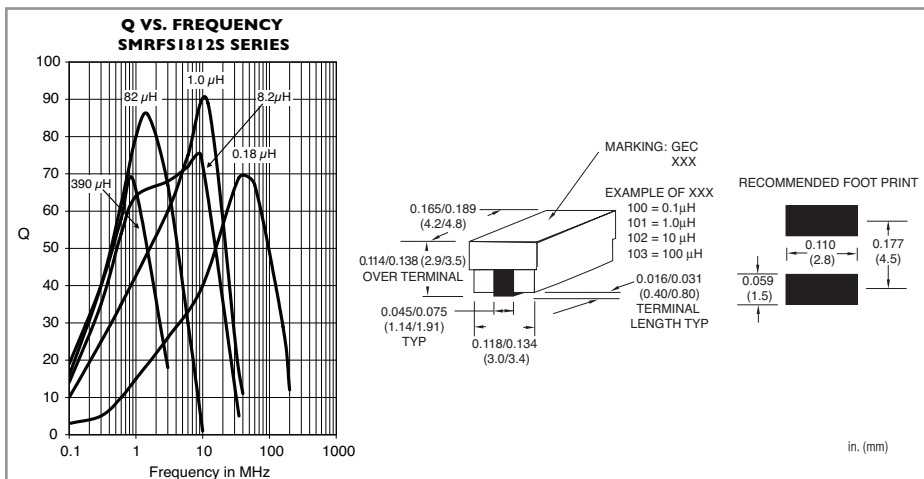
Optional tolerances available; please contact factory

Custom designs are available to meet your specific requirements; please contact factory

***Add "LF" suffix for RoHS requirement. Example: SMRF1812S-100MLF**

Gowanda designates a component RoHS-compliant by adding "LF" (lead free) to the part number.

These LF components meet the $\leq .1\%$ lead requirement and they are compatible with 260°C soldering processes.



NOTES:

- Operating Temperature Range: -55°C to +125°C
- Current Rating is based on a 35°C temperature rise at an ambient temperature of 90°C
- Incremental Current is the current which causes a 5% maximum change in inductance
- Epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering

TAPE AND REEL SPECS:

Pcs./Reel maximum:	2200
Pitch between parts:	8 mm
Tape width:	12 mm
Reel diameter:	13 in.