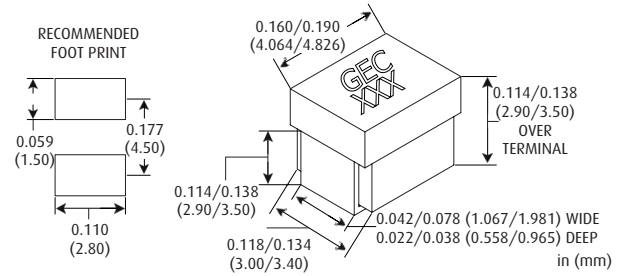


SMRF1812 SERIES
Molded Unshielded Inductor



COTS Military Specifications:
M83446/39 (reference only)

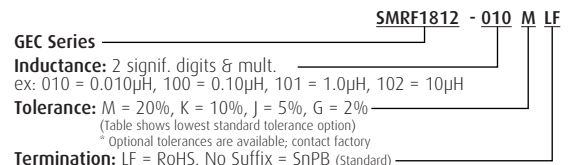
PART NUMBER	L μH	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE						
SMRF1812-010K	0.010	40	50	1000	0.10	1230
SMRF1812-012K	0.012	40	50	1000	0.10	1230
SMRF1812-015K	0.015	40	50	1000	0.10	1230
SMRF1812-018K	0.018	40	50	1000	0.10	1230
SMRF1812-022K	0.022	40	50	1000	0.10	1230
SMRF1812-027K	0.027	40	50	1000	0.15	1000
SMRF1812-033K	0.033	40	50	1000	0.15	1000
SMRF1812-039K	0.039	35	50	1000	0.20	870
SMRF1812-047K	0.047	35	50	1000	0.20	870
SMRF1812-056K	0.056	35	50	850	0.25	770
SMRF1812-068K	0.068	35	50	750	0.25	770
SMRF1812-082K	0.082	35	50	750	0.25	700
POWDERED IRON CORE						
SMRF1812-100G	0.100	40	25	650	0.30	818
SMRF1812-120G	0.120	40	25	600	0.30	818
SMRF1812-150G	0.150	40	25	500	0.30	818
SMRF1812-180G	0.180	40	25	400	0.35	757
SMRF1812-220G	0.220	40	25	350	0.40	708
SMRF1812-270G	0.270	40	25	300	0.45	668
SMRF1812-330G	0.330	40	25	250	0.55	604
SMRF1812-390G	0.390	40	25	220	0.70	535
SMRF1812-470G	0.470	40	25	190	0.80	501
SMRF1812-560G	0.560	40	25	170	1.20	409
SMRF1812-680G	0.680	40	25	150	1.40	379
SMRF1812-820G	0.820	40	25	140	1.60	354
FERRITE CORE						
SMRF1812-101G	1.0	50	7.9	200	0.50	634
SMRF1812-121G	1.2	50	7.9	80	0.55	604
SMRF1812-151G	1.5	50	7.9	70	0.60	578
SMRF1812-181G	1.8	50	7.9	60	0.65	556
SMRF1812-221G	2.2	50	7.9	55	0.70	535
SMRF1812-271G	2.7	50	7.9	50	0.75	517
SMRF1812-331G	3.3	50	7.9	45	0.80	501
SMRF1812-391G	3.9	50	7.9	40	0.90	472
SMRF1812-471G	4.7	50	7.9	35	1.0	448
SMRF1812-561G	5.6	50	7.9	33	1.1	427
SMRF1812-681G	6.8	50	7.9	27	1.2	409
SMRF1812-821G	8.2	50	7.9	25	1.4	375
SMRF1812-102G	10	50	7.9	20	1.6	354
SMRF1812-122G	12	50	2.5	18	2.0	317
SMRF1812-152G	15	50	2.5	17	2.5	283
SMRF1812-182G	18	50	2.5	15	2.8	268
SMRF1812-222G	22	50	2.5	13	3.2	250
SMRF1812-272G	27	50	2.5	12	3.6	236
SMRF1812-332G	33	50	2.5	11	4.0	224
SMRF1812-392G	39	50	2.5	11	4.5	211
SMRF1812-472G	47	50	2.5	10	5.0	200
SMRF1812-562G	56	50	2.5	9	5.5	191
SMRF1812-682G	68	50	2.5	9	6.0	183
SMRF1812-822G	82	50	2.5	8	7.0	169
SMRF1812-103G	100	40	2.5	8	8.0	158
SMRF1812-123G	120	40	0.79	6	8.0	158
SMRF1812-153G	150	40	0.79	5	9.0	149
SMRF1812-183G	180	40	0.79	5	9.5	145
SMRF1812-223G	220	40	0.79	4	10	142
SMRF1812-273G	270	40	0.79	4	12	129
SMRF1812-333G	330	40	0.79	3.5	14	120
SMRF1812-393G	390	40	0.79	3	16	112
SMRF1812-473G	470	40	0.79	3	26	88
SMRF1812-563G	560	30	0.79	3	30	82
SMRF1812-683G	680	30	0.79	3	30	82
SMRF1812-823G	820	30	0.79	2.5	35	76
SMRF1812-104G	1000	30	0.79	2	40	71



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
- **Weight Max:** 0.15 grams
- **Marking:** GEC; XXX (dash number) (see diagram above)
- Epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering
- Materials are fungus-inert to meet method 508 of MIL-STD-810H
- Custom designs are available to meet your specific requirements; please contact factory
- **Applications include:** Electronic test equipment, medical equipment, telecommunications, disk drives, computers and modems, aviation equipment, navigation equipment and cable TV.

PART NUMBER DERIVATION



TAPE AND REEL SPECS

Pieces/reel maximum:	2200
Pitch between parts:	8 mm
Tape width:	16 mm
Reel diameter:	13 in.