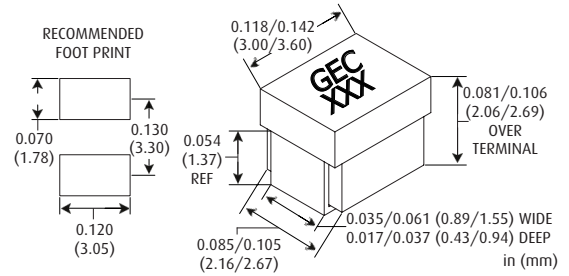


SMRF1210 SERIES



Molded Unshielded Inductor

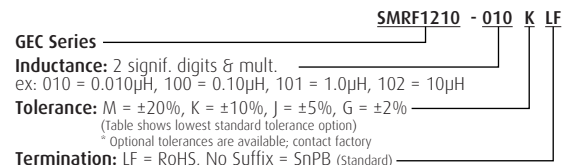
PART NUMBER	L μH	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE						
SMRF1210-010G	0.010	30	50	2000	0.130	966
SMRF1210-012G	0.012	30	50	1850	0.140	931
SMRF1210-015G	0.015	30	50	1700	0.160	871
SMRF1210-018G	0.018	30	50	1550	0.180	821
SMRF1210-022G	0.022	30	50	1300	0.200	779
SMRF1210-027G	0.027	30	50	1150	0.220	743
SMRF1210-033G	0.033	30	50	1000	0.240	711
SMRF1210-039G	0.039	30	50	900	0.270	670
SMRF1210-047G	0.047	30	50	800	0.300	636
SMRF1210-056G	0.056	30	50	750	0.330	606
SMRF1210-068G	0.068	30	50	700	0.360	580
SMRF1210-082G	0.082	30	50	625	0.400	551
POWDERED IRON CORE						
SMRF1210-100G	0.100	30	25	550	0.200	1018
SMRF1210-120G	0.120	30	25	500	0.220	971
SMRF1210-150G	0.150	30	25	450	0.250	910
SMRF1210-180G	0.180	30	25	400	0.280	860
SMRF1210-220G	0.220	30	25	350	0.320	805
SMRF1210-270G	0.270	30	25	320	0.360	759
SMRF1210-330G	0.330	30	25	300	0.400	720
SMRF1210-390G	0.390	30	25	250	0.450	679
SMRF1210-470G	0.470	30	25	220	0.500	644
SMRF1210-560G	0.560	30	25	180	0.550	614
SMRF1210-680G	0.680	30	25	160	0.600	588
SMRF1210-820G	0.820	30	25	140	0.670	556
FERRITE CORE						
SMRF1210-101G	1.0	30	7.9	120	0.700	515
SMRF1210-121G	1.2	30	7.9	100	0.750	497
SMRF1210-151G	1.5	30	7.9	85	0.850	467
SMRF1210-181G	1.8	30	7.9	75	0.900	454
SMRF1210-221G	2.2	30	7.9	70	1.00	431
SMRF1210-271G	2.7	30	7.9	65	1.10	411
SMRF1210-331G	3.3	30	7.9	58	1.20	393
SMRF1210-391G	3.9	30	7.9	50	1.30	378
SMRF1210-471G	4.7	30	7.9	45	1.50	352
SMRF1210-561G	5.6	30	7.9	42	1.60	341
SMRF1210-681G	6.8	30	7.9	40	1.80	321
SMRF1210-821G	8.2	30	7.9	35	2.00	305
SMRF1210-102G	10	30	7.9	30	2.10	297
SMRF1210-122G	12	30	2.5	28	2.50	272
SMRF1210-152G	15	30	2.5	25	2.80	257
SMRF1210-182G	18	30	2.5	23	3.30	237
SMRF1210-222G	22	30	2.5	20	3.70	224
SMRF1210-272G	27	30	2.5	18	5.00	193
SMRF1210-332G	33	30	2.5	15	5.60	182
SMRF1210-392G	39	30	2.5	14	6.40	170
SMRF1210-472G	47	30	2.5	13	7.00	163
SMRF1210-562G	56	30	2.5	11	8.00	152
SMRF1210-682G	68	30	2.5	10	9.00	144
SMRF1210-822G	82	30	2.5	9	10	136
SMRF1210-103G	100	30	2.5	8	13	120



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:** 0.05 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

PART NUMBER DERIVATION



TAPE AND REEL SPECS

Pieces/reel maximum:	2000
Pitch between parts:	4 mm
Tape width:	8 mm
Reel diameter:	7 in.