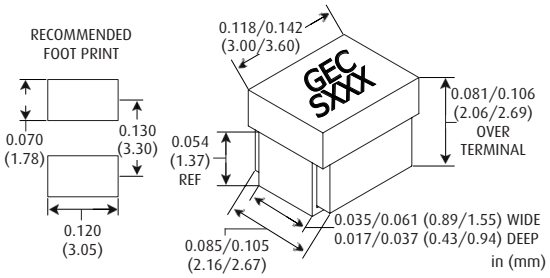
SMRF1210S SERIES

Molded Shielded Inductor





PART NUMBER	L µH	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC
POWDERED IRON CORE						
SMRF1210S-100G	0.10	40	25	375	0.15	1131
SMRF1210S-120G	0.12	40	25	350	0.17	1062
SMRF1210S-150G	0.15	40	25	330	0.20	979
SMRF1210S-180G	0.18	40	25	310	0.22	934
SMRF1210S-220G	0.22	40	25	300	0.25	876
SMRF1210S-270G	0.27	40	25	290	0.30	800
SMRF1210S-330G	0.33	40	25	255	0.35	740
SMRF1210S-390G	0.39	40	25	230	0.40	692
SMRF1210S-470G	0.47	40	25	220	0.45	653
SMRF1210S-560G	0.56	40	25	200	0.50	619
SMRF1210S-680G	0.68	40	25	180	0.55	590
SMRF1210S-820G	0.82	40	25	170	0.60	565
FERRITE CORE						
SMRF1210S-101G	1.0	40	7.9	140	0.40	635
SMRF1210S-121G	1.2	40	7.9	120	0.49	574
SMRF1210S-151G	1.5	40	7.9	110	0.57	532
SMRF1210S-181G	1.8	40	7.9	95	0.65	498
SMRF1210S-221G	2.2	40	7.9	80	0.73	470
SMRF1210S-271G	2.7	40	7.9	70	0.75	464
SMRF1210S-331G	3.3	40	7.9	45	0.80	449
SMRF1210S-391G	3.9	40	7.9	42	0.83	441
SMRF1210S-471G	4.7	40	7.9	40	1.0	402
SMRF1210S-561G	5.6	40	7.9	38	1.3	352
SMRF1210S-681G	6.8	40	7.9	35	1.5	328
SMRF1210S-821G	8.2	40	7.9	32	1.7	308
SMRF1210S-102G	10	40	7.9	28	1.9	291
SMRF1210S-122G	12	40	2.5	25	2.1	277
SMRF1210S-152G	15	40	2.5	23	2.5	254
SMRF1210S-182G	18	40	2.5	21	2.8	240
SMRF1210S-222G	22	40	2.5	19	3.0	232
SMRF1210S-272G	27	40	2.5	16	4.0	201
SMRF1210S-332G	33	40	2.5	14	4.5	189
SMRF1210S-392G	39	40	2.5	12	5.0	179
SMRF1210S-472G	47	40	2.5	10	5.5	171
SMRF1210S-562G	56	40	2.5	8	6.3	160
SMRF1210S-682G	68	40	2.5	8	7.0	152
SMRF1210S-822G	82	40	2.5	8	8.5	137
SMRF1210S-103G	100	40	2.5	8	10	127

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; SXXX (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

SMRF1210S - 100 K LF

GEC Series

Inductance: 2 signif. digits & mult.
ex: 100 = 0.10µH, 101 = 1.0µH, 102 = 10µH

Tolerance: M = ±20%, K = ±10%, J = ±5%, G = ±2%
(Table shows lowest standard tolerance option)
* Optional tolerances are available; contact factory

Termination: LF = RoHS, No Suffix = SnPB (Standard)

TAPE AND REEL SPECS

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

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