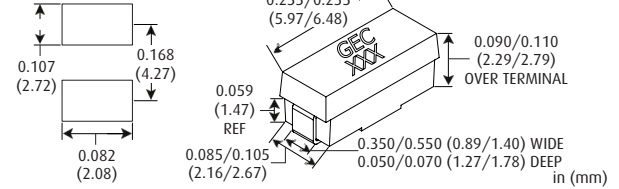


SMRF2510 SERIES
Molded Unshielded Inductor



RECOMMENDED FOOT PRINT

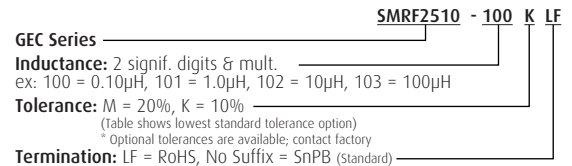


PART NUMBER	L μ H	Q MIN	TEST FREQ MHz	SRF MHz MIN	DCR Ω MAX	CURRENT RATING mA DC
PHENOLIC CORE						
SMRF2510-100K	0.10	25	25	640	0.14	865
SMRF2510-120K	0.12	25	25	610	0.17	785
SMRF2510-150K	0.15	25	25	530	0.20	725
SMRF2510-180K	0.18	25	25	510	0.22	690
SMRF2510-220K	0.22	25	25	480	0.26	635
SMRF2510-270K	0.27	25	25	440	0.40	510
SMRF2510-330K	0.33	25	25	410	0.50	455
SMRF2510-390K	0.39	25	25	380	0.60	415
SMRF2510-470K	0.47	25	25	340	0.63	405
POWDERED IRON CORE						
SMRF2510-560K	0.56	35	25	240	0.19	500
SMRF2510-680K	0.68	35	25	210	0.21	475
SMRF2510-820K	0.82	35	25	200	0.24	444
SMRF2510-101K	1.0	35	25	180	0.27	418
SMRF2510-121K	1.2	25	7.9	160	0.32	385
SMRF2510-151K	1.5	30	7.9	140	0.53	300
SMRF2510-181K	1.8	30	7.9	125	0.59	283
SMRF2510-221K	2.2	30	7.9	120	0.76	250
SMRF2510-271K	2.7	30	7.9	100	0.90	229
SMRF2510-331K	3.3	35	7.9	90	1.35	187
SMRF2510-391K	3.9	35	7.9	85	1.70	167
SMRF2510-471K	4.7	35	7.9	80	2.30	143
SMRF2510-561K	5.6	35	7.9	75	3.10	123
SMRF2510-681K	6.8	35	7.9	64	3.60	114
SMRF2510-821K	8.2	35	7.9	50	4.80	99
SMRF2510-102K	10	35	7.9	45	5.70	91
SMRF2510-122K	12	25	2.5	29	3.30	120
SMRF2510-152K	15	25	2.5	24	3.80	110
SMRF2510-182K	18	25	2.5	21	4.20	106
SMRF2510-222K	22	25	2.5	18	4.70	100
SMRF2510-272K	27	25	2.5	17	5.70	91
SMRF2510-332K	33	25	2.5	15	6.20	87
SMRF2510-392K	39	25	2.5	13	8.10	76
SMRF2510-472K	47	25	2.5	12	9.80	69
SMRF2510-562K	56	25	2.5	11	12.0	62
SMRF2510-682K	68	25	2.5	10	13.8	58
SMRF2510-822K	82	25	2.5	9	19.0	50
SMRF2510-103K	100	25	2.5	8.9	21.0	47
FERRITE CORE						
SMRF2510-123K	120	15	0.79	8.5	17.0	52
SMRF2510-153K	150	15	0.79	7.6	19.0	49
SMRF2510-183K	180	15	0.79	7.2	21.5	46
SMRF2510-223K	220	15	0.79	6.8	32	38
SMRF2510-273K	270	15	0.79	6.2	37	35
SMRF2510-333K	330	15	0.79	5.3	47	31
SMRF2510-393K	390	15	0.79	5.0	53	30
SMRF2510-473K	470	15	0.79	4.6	60	28
SMRF2510-563K	560	15	0.79	4.3	71	25
SMRF2510-683K	680	15	0.79	3.8	83	23
SMRF2510-823K	820	15	0.79	3.2	95	22
SMRF2510-104K	1000	15	0.79	2.4	108	20

NOTES

- **Operating Temperature Range:**
-55°C to +125°C for Phenolic
-55°C to +105°C for Powdered Iron & Ferrite
- **Current Rating** at a 90°C Ambient:
35°C Rise for Phenolic
15°C Rise for Powdered Iron & Ferrite
- **Weight Max:**
0.19 grams for Phenolic
0.22 grams for Powdered Iron & Ferrite
- **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:	2500
Pitch between parts:	8 mm
Tape width:	16 mm
Reel diameter:	13 in.