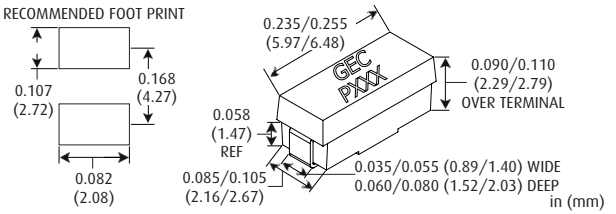


SMP2512 SERIES
Molded Unshielded Inductor



RECOMMENDED FOOT PRINT

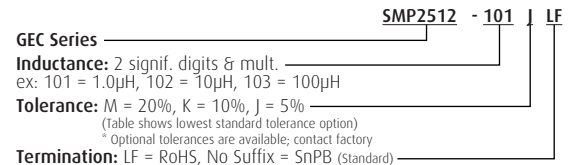


PART NUMBER	L μ H	TEST FREQ MHz	DCR Ω MAX	CURRENT RATING mA DC	INC I mA DC
FERRITE CORE					
SMP2512-101J	1.0	7.9	0.15	1640	1230
SMP2512-121J	1.2	7.9	0.21	1390	1040
SMP2512-151J	1.5	7.9	0.27	1220	920
SMP2512-181J	1.8	7.9	0.29	1180	890
SMP2512-221J	2.2	7.9	0.40	1000	750
SMP2512-271J	2.7	7.9	0.54	865	649
SMP2512-331J	3.3	7.9	0.75	734	551
SMP2512-391J	3.9	7.9	0.82	702	527
SMP2512-471J	4.7	7.9	1.0	636	477
SMP2512-561J	5.6	7.9	1.1	606	455
SMP2512-681J	6.8	7.9	1.2	580	435
SMP2512-821J	8.2	7.9	1.3	557	418
SMP2512-102J	10	7.9	1.5	519	389
SMP2512-122J	12	2.5	1.6	503	377
SMP2512-152J	15	2.5	1.8	474	355
SMP2512-182J	18	2.5	2.6	394	296
SMP2512-222J	22	2.5	3.5	340	255
SMP2512-272J	27	2.5	3.7	330	248
SMP2512-332J	33	2.5	3.8	326	245
SMP2512-392J	39	2.5	3.9	322	242
SMP2512-472J	47	2.5	4.2	310	233
SMP2512-562J	56	2.5	4.6	296	222
SMP2512-682J	68	2.5	5.1	281	211
SMP2512-822J	82	2.5	5.6	278	209
SMP2512-103J	100	2.5	6.0	260	195

NOTES

- **Operating Temperature Range:** -55°C to +125°C
- **Current Rating** is based on a 65°C temperature rise at an ambient temperature of 60°C
- **Incremental Current** is the approximate value that will reduce the initial inductance by 10%
- **Weight Max:** 0.115 grams
- **Marking:** GEC; PXXX (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:	500
Pitch between parts:	8 mm
Tape width:	16 mm
Reel diameter:	7 in.