

SMP3013 SERIES

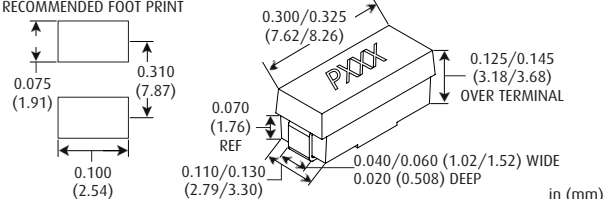


Molded Unshielded Inductor



PART NUMBER	L μ H $\pm 10\%$ @ 1 kHz	DCR Ω MAX	I SAT A DC	CURRENT RATING A DC
FERRITE CORE				
SMP3013-101K	1.0	0.053	4.6	2.78
SMP3013-121K	1.2	0.056	4.2	2.24
SMP3013-151K	1.5	0.063	3.6	2.03
SMP3013-181K	1.8	0.066	3.4	1.95
SMP3013-221K	2.2	0.083	3.0	1.69
SMP3013-271K	2.7	0.096	2.6	1.55
SMP3013-331K	3.3	0.109	2.4	1.46
SMP3013-391K	3.9	0.120	2.2	1.39
SMP3013-471K	4.7	0.131	2.0	1.33
SMP3013-561K	5.6	0.194	1.8	1.10
SMP3013-681K	6.8	0.198	1.6	1.08
SMP3013-821K	8.2	0.221	1.5	1.02
SMP3013-102K	10	0.258	1.4	0.946
SMP3013-122K	12	0.278	1.2	0.912
SMP3013-152K	15	0.340	1.1	0.824
SMP3013-182K	18	0.346	1.0	0.817
SMP3013-222K	22	0.480	0.980	0.694
SMP3013-272K	27	0.535	0.860	0.657
SMP3013-332K	33	0.715	0.780	0.568
SMP3013-392K	39	0.970	0.680	0.488
SMP3013-472K	47	1.06	0.660	0.467
SMP3013-562K	56	1.18	0.580	0.442
SMP3013-682K	68	1.57	0.520	0.384
SMP3013-822K	82	1.76	0.470	0.362
SMP3013-103K	100	1.92	0.450	0.347
SMP3013-123K	120	2.16	0.400	0.327
SMP3013-153K	150	3.12	0.360	0.272
SMP3013-183K	180	3.38	0.330	0.261
SMP3013-223K	220	4.66	0.290	0.223
SMP3013-273K	270	6.36	0.270	0.191
SMP3013-333K	330	7.20	0.235	0.179
SMP3013-393K	390	7.92	0.210	0.171
SMP3013-473K	470	8.90	0.200	0.161
SMP3013-563K	560	12.1	0.185	0.138
SMP3013-683K	680	13.7	0.170	0.130
SMP3013-823K	820	18.2	0.150	0.113
SMP3013-104K	1000	20.9	0.130	0.105

RECOMMENDED FOOT PRINT



NOTES

- Operating Temperature Range:** -55°C to +125°C
- Current Rating** is based on a 40°C temperature rise at an ambient temperature of 85°C
- Saturation Current** is the approximate value that will reduce the initial inductance by 5%
- Weight Max:** 0.25 grams
- Marking:** 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
- Applications:** Can be used for all types of power applications including filters for DC/DC converters and switching regulated power supplies.

PART NUMBER DERIVATION

GEC Series ——— **SMP3013 - 101 K LF**

Inductance: 2 signif. digits & mult.
ex: 101 = 1.0 μ H, 102 = 10 μ H, 103 = 100 μ H, 104 = 1000 μ H

Tolerance: M = 20%, K = 10%
(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:	2200
Pitch between parts:	8 mm
Tape width:	16 mm
Reel diameter:	13 in.