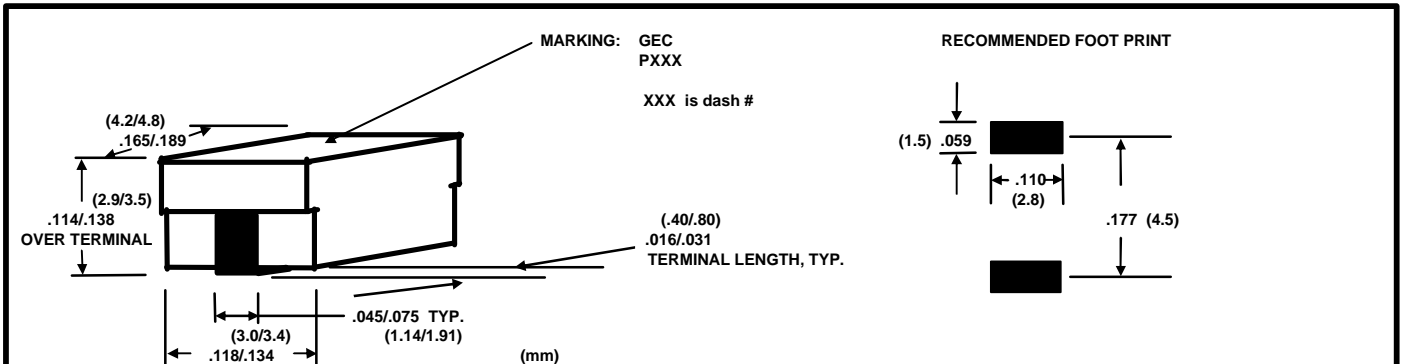


GOWANDA

SURFACE MOUNT POWER INDUCTORS

SMP1812

- ◆ Epoxy Encapsulated
- ◆ Operating Temperature: -55°C to +125°C
- ◆ Supplied on tape and reel
- ◆ Can be used for all types of power applications including filters for DC/DC converters and switching regulated power supplies.



PART NUMBER	L mH ±10% @1 kHz	DCR OHMS MAX	SATURATION CURRENT* DC mA	CURRENT RATING ** DC mA
SMP1812-101K	1.0	.056	2500	2018
SMP1812-121K	1.2	.063	2200	1903
SMP1812-151K	1.5	.087	2000	1619
SMP1812-181K	1.8	.094	1830	1558
SMP1812-221K	2.2	.13	1697	1325
SMP1812-271K	2.7	.14	1513	1277
SMP1812-331K	3.3	.17	1397	1158
SMP1812-391K	3.9	.22	1250	1018
SMP1812-471K	4.7	.24	1131	975
SMP1812-561K	5.6	.34	1060	819
SMP1812-681K	6.8	.37	990	785
SMP1812-821K	8.2	.41	871	746
SMP1812-102K	10	.46	772	704
SMP1812-122K	12	.51	752	669
SMP1812-152K	15	.72	693	563
SMP1812-182K	18	.82	614	527
SMP1812-222K	22	1.11	515	453
SMP1812-272K	27	1.25	465	427
SMP1812-332K	33	1.35	425	411
SMP1812-392K	39	1.50	376	390
SMP1812-472K	47	1.65	366	372
SMP1812-562K	56	1.88	336	348
SMP1812-682K	68	2.95	297	288
SMP1812-822K	82	3.44	267	258
SMP1812-103K	100	4.00	238	239
SMP1812-123K	120	5.53	214	203
SMP1812-153K	150	6.00	191	195
SMP1812-183K	180	7.90	175	170
SMP1812-223K	220	8.80	158	161
SMP1812-273K	270	9.93	143	152
SMP1812-333K	330	14.8	129	124

*Saturation current is the approximate value that will reduce the initial inductance by 5%

**Rated current is based on a 40°C temperature rise at an ambient temperature of 85 °C