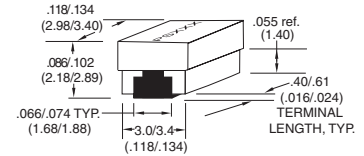


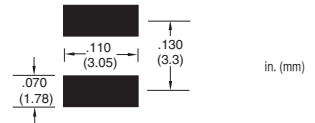
## SMP1210SLF RoHS Shielded Power Inductors



PART NUMBER	L $\mu$ H $\pm$ 10% @1 kHz	DCR OHMS MAX	SATURATION CURRENT* DC mA	CURRENT RATING** DC mA
SMP1210S-101KLF	1.0	.11	2060	1384
SMP1210S-121KLF	1.2	.13	1860	1273
SMP1210S-151KLF	1.5	.14	1690	1227
SMP1210S-181KLF	1.8	.20	1550	1027
SMP1210S-221KLF	2.2	.22	1430	979
SMP1210S-271KLF	2.7	.24	1240	937
SMP1210S-331KLF	3.3	.27	1160	884
SMP1210S-391KLF	3.9	.30	1030	838
SMP1210S-471KLF	4.7	.32	970	812
SMP1210S-561KLF	5.6	.34	880	787
SMP1210S-681KLF	6.8	.39	800	735
SMP1210S-821KLF	8.2	.44	740	692
SMP1210S-102KLF	10	.60	600	590
SMP1210S-122KLF	12	.75	580	530
SMP1210S-152KLF	15	.85	520	498
SMP1210S-182KLF	18	1.0	460	459
SMP1210S-222KLF	22	1.4	420	388
SMP1210S-272KLF	27	1.5	380	375
SMP1210S-332KLF	33	2.2	340	310
SMP1210S-392KLF	39	2.4	320	292
SMP1210S-472KLF	47	2.7	290	279
SMP1210S-562KLF	56	3.2	260	257
SMP1210S-682KLF	68	3.7	240	239
SMP1210S-822KLF	82	4.5	220	216
SMP1210S-103KLF	100	5.0	200	205



### RECOMMENDED FOOT PRINT



### NOTES:

- Epoxy encapsulated
  - Operating temperature -55°C to +125°C
  - Can be used for all types of power applications including filters for DC/DC converters and switching regulated power supplies
  - Coupling less than 4% with 1mm of spacing between components
- \*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

### TAPE AND REEL SPECS:

Pcs./Reel maximum:	2000
Pitch between parts:	8 mm
Tape width:	8 mm
Reel diameter inches:	7

SMP1210s series Derating Curve

