

SMPI210S



SMPI210SLF*



Wirewound, Shielded, Molded



PART NUMBER	L μ H @100 kHz	DCR OHMS MAX	SATURATION CURRENT mA DC	CURRENT RATING mA DC
FERRITE CORE				
SMP1210S-101K	1.0	0.11	2060	1384
SMP1210S-121K	1.2	0.13	1860	1273
SMP1210S-151K	1.5	0.14	1690	1227
SMP1210S-181K	1.8	0.20	1550	1027
SMP1210S-221K	2.2	0.22	1430	979
SMP1210S-271K	2.7	0.24	1240	937
SMP1210S-331K	3.3	0.27	1160	884
SMP1210S-391K	3.9	0.30	1030	838
SMP1210S-471K	4.7	0.32	970	812
SMP1210S-561K	5.6	0.34	880	787
SMP1210S-681K	6.8	0.39	800	735
SMP1210S-821K	8.2	0.44	740	692
SMP1210S-102K	10	0.60	600	590
SMP1210S-122K	12	0.75	580	530
SMP1210S-152K	15	0.85	520	498
SMP1210S-182K	18	1.00	460	459
SMP1210S-222K	22	1.40	420	388
SMP1210S-272K	27	1.50	380	375
SMP1210S-332K	33	2.20	340	310
SMP1210S-392K	39	2.40	320	292
SMP1210S-472K	47	2.70	290	279
SMP1210S-562K	56	3.20	260	257
SMP1210S-682K	68	3.70	240	239
SMP1210S-822K	82	4.50	220	216
SMP1210S-103K	100	5.00	200	205

Suffix "K" for 10% tolerance

Custom designs are available to meet your specific requirements; please contact factory.

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***Add "LF" suffix for RoHS requirement. Example: SMP1210S-101KLF**

Gowanda designates a component RoHS-compliant by adding "LF" (lead free) to the part number.

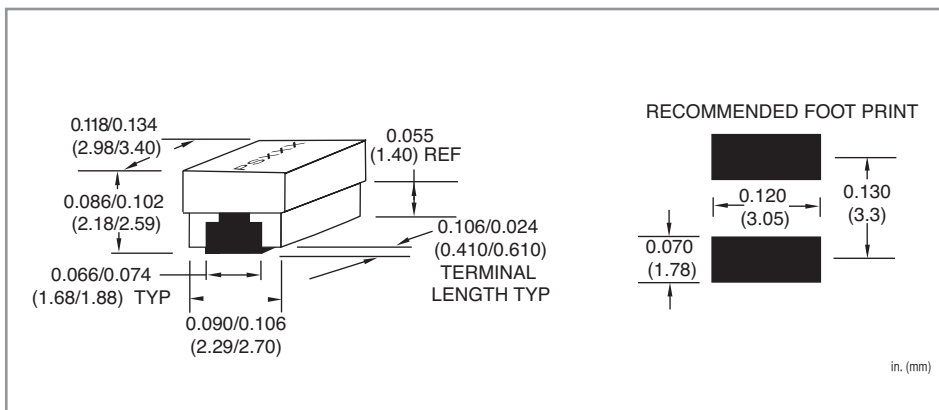
These LF components meet the $\leq .1\%$ lead requirement and they are compatible with 260°C soldering processes.

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%
- 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
- Epoxy Encapsulated

TAPE AND REEL SPECS:

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



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SMPI210S



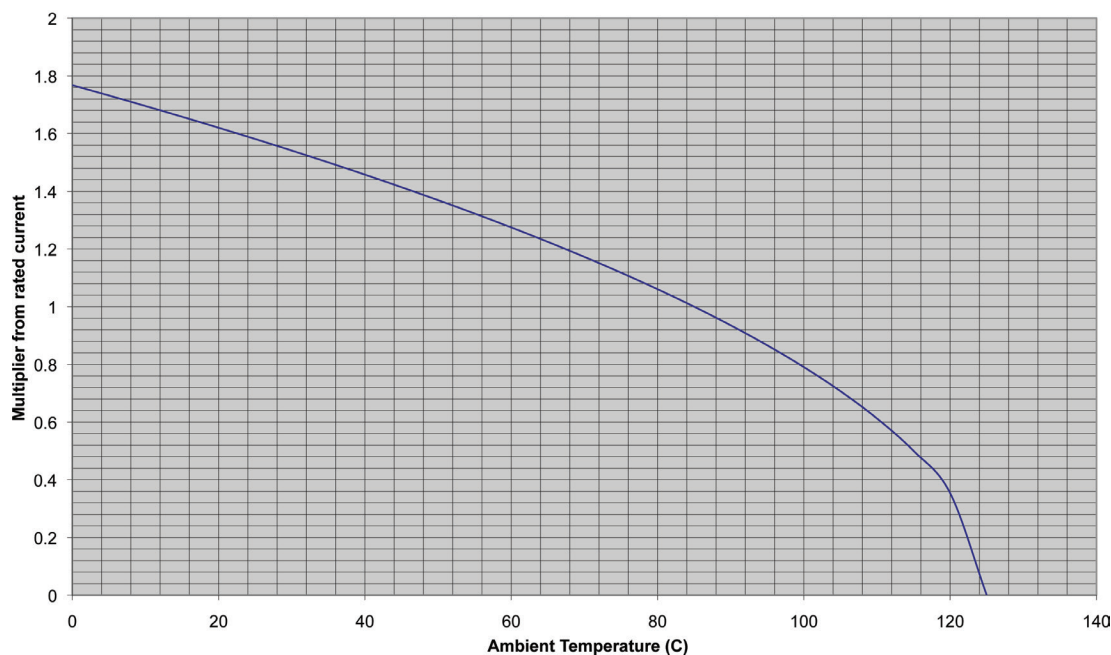
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**SMP1210s series
Derating Curve**

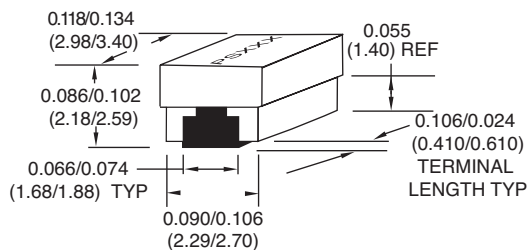


NOTES:

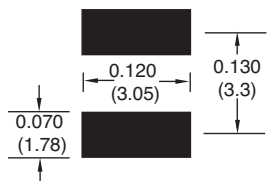
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-55°C to +125°C
- Current Rating is based on a 40°C temperature rise at an ambient temperature of 85°C
- Saturation Current is the approximate value that will reduce the initial inductance by 5%
- Can be used for all types of power applications including filters for DC/DC converters and switching regulated power supplies
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- Epoxy Encapsulated

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RECOMMENDED FOOT PRINT



in. (mm)