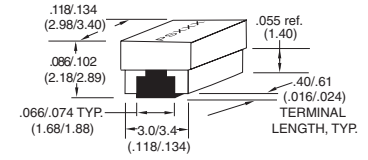


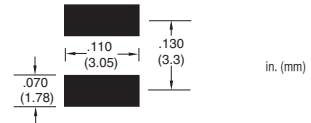
## SMPI210S Shielded Power Inductors



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

