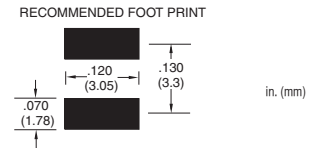
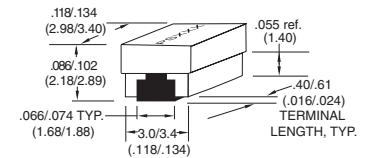


SMPI210S Shielded Power Inductors



| PART NUMBER | L μ H \pm 10% @1 kHz | DCR OHMS MAX | SATURATION CURRENT* | |
|---------------|-------------------------------|-----------------|---------------------|-------|
| | | | 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 |



- 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

