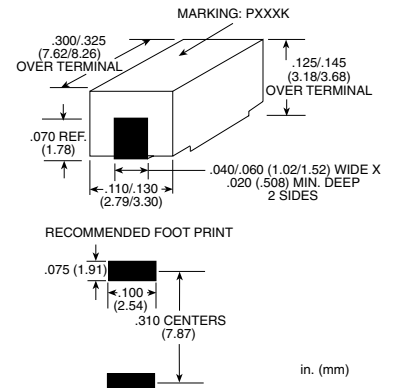


SMP3013 Power Inductors



| PART NUMBER | L μ H \pm 10% @1 kHz | DCR MAX | SATURATION CURRENT* DCAMPS | CURRENT RATING** DCAMPS |
|--------------|----------------------------|---------|----------------------------|-------------------------|
| SMP3013-101K | 1.0 | .030 | 4.6 | 2.78 |
| SMP3013-121K | 1.2 | .046 | 4.2 | 2.69 |
| SMP3013-151K | 1.5 | .056 | 3.6 | 2.03 |
| SMP3013-181K | 1.8 | .061 | 3.4 | 1.95 |
| SMP3013-221K | 2.2 | .083 | 3.0 | 1.69 |
| SMP3013-271K | 2.7 | .096 | 2.6 | 1.55 |
| SMP3013-331K | 3.3 | .109 | 2.4 | 1.46 |
| SMP3013-391K | 3.9 | .120 | 2.2 | 1.39 |
| SMP3013-471K | 4.7 | .131 | 2.0 | 1.33 |
| SMP3013-561K | 5.6 | .194 | 1.8 | 1.10 |
| SMP3013-681K | 6.8 | .198 | 1.6 | 1.08 |
| SMP3013-821K | 8.2 | .221 | 1.5 | 1.02 |
| SMP3013-102K | 10 | .258 | 1.4 | .946 |
| SMP3013-122K | 12 | .278 | 1.2 | .912 |
| SMP3013-152K | 15 | .314 | 1.1 | .858 |
| SMP3013-182K | 18 | .346 | 1.0 | .817 |
| SMP3013-222K | 22 | .480 | .980 | .694 |
| SMP3013-272K | 27 | .535 | .860 | .657 |
| SMP3013-332K | 33 | .715 | .780 | .568 |
| SMP3013-392K | 39 | .970 | .680 | .488 |
| SMP3013-472K | 47 | 1.06 | .660 | .467 |
| SMP3013-562K | 56 | 1.18 | .580 | .442 |
| SMP3013-682K | 68 | 1.57 | .520 | .384 |
| SMP3013-822K | 82 | 1.76 | .470 | .362 |
| SMP3013-103K | 100 | 1.92 | .450 | .347 |
| SMP3013-123K | 120 | 2.16 | .400 | .327 |
| SMP3013-153K | 150 | 3.12 | .360 | .272 |
| SMP3013-183K | 180 | 3.38 | .330 | .261 |
| SMP3013-223K | 220 | 4.66 | .290 | .223 |
| SMP3013-273K | 270 | 6.36 | .270 | .191 |
| SMP3013-333K | 330 | 7.20 | .235 | .179 |
| SMP3013-393K | 390 | 7.92 | .210 | .171 |
| SMP3013-473K | 470 | 8.90 | .200 | .161 |
| SMP3013-563K | 560 | 12.1 | .185 | .138 |
| SMP3013-683K | 680 | 13.7 | .170 | .130 |
| SMP3013-823K | 820 | 18.2 | .150 | .113 |
| SMP3013-104K | 1000 | 20.9 | .130 | .105 |



NOTES:

- Operating temperature -55°C to +125°C
- Core material is high resistance nickel zinc ferrite
- *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: | 2200 |
| Pitch between parts: | 8 mm |
| Tape width: | 16 mm |
| Reel diameter inches: | 13 |