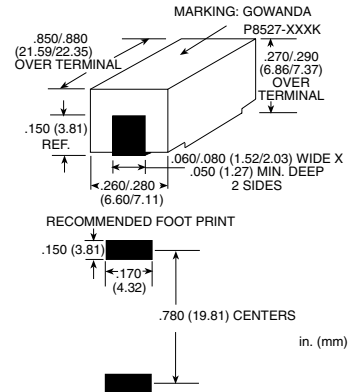


SMP8527 Power Inductors



| PART NUMBER | L μ H \pm 10% @1 kHz | DCR MAX | SATURATION CURRENT* DCAMPS | CURRENT RATING** DCAMPS |
|--------------|-------------------------------|------------|-------------------------------|----------------------------|
| SMP8527-101K | 1.0 | .011 | 10.0 | 6.68 |
| SMP8527-121K | 1.2 | .012 | 8.4 | 6.40 |
| SMP8527-151K | 1.5 | .013 | 8.2 | 6.15 |
| SMP8527-181K | 1.8 | .014 | 6.8 | 5.92 |
| SMP8527-221K | 2.2 | .016 | 6.4 | 5.54 |
| SMP8527-271K | 2.7 | .017 | 5.8 | 5.37 |
| SMP8527-331K | 3.3 | .018 | 5.4 | 5.22 |
| SMP8527-391K | 3.9 | .020 | 4.8 | 4.95 |
| SMP8527-471K | 4.7 | .024 | 4.2 | 4.52 |
| SMP8527-561K | 5.6 | .026 | 3.8 | 4.35 |
| SMP8527-681K | 6.8 | .034 | 3.4 | 3.80 |
| SMP8527-821K | 8.2 | .037 | 3.2 | 3.64 |
| SMP8527-102K | 10 | .043 | 3.0 | 3.38 |
| SMP8527-122K | 12 | .048 | 2.8 | 3.20 |
| SMP8527-152K | 15 | .049 | 2.6 | 3.17 |
| SMP8527-182K | 18 | .054 | 2.2 | 3.02 |
| SMP8527-222K | 22 | .059 | 2.0 | 2.88 |
| SMP8527-272K | 27 | .070 | 1.8 | 2.65 |
| SMP8527-332K | 33 | .077 | 1.8 | 2.53 |
| SMP8527-392K | 39 | .084 | 1.6 | 2.42 |
| SMP8527-472K | 47 | .101 | 1.4 | 2.20 |
| SMP8527-562K | 56 | .113 | 1.4 | 2.08 |
| SMP8527-682K | 68 | .145 | 1.2 | 1.84 |
| SMP8527-822K | 82 | .173 | 1.2 | 1.68 |
| SMP8527-103K | 100 | .208 | 1.00 | 1.54 |
| SMP8527-123K | 120 | .283 | .960 | 1.32 |
| SMP8527-153K | 150 | .414 | .860 | 1.10 |
| SMP8527-183K | 180 | .468 | .800 | 1.02 |
| SMP8527-223K | 220 | .505 | .680 | .990 |
| SMP8527-273K | 270 | .620 | .620 | .890 |
| SMP8527-333K | 330 | .720 | .600 | .826 |
| SMP8527-393K | 390 | .770 | .540 | .799 |
| SMP8527-473K | 470 | 1.00 | .500 | .700 |
| SMP8527-563K | 560 | 1.27 | .500 | .620 |
| SMP8527-683K | 680 | 1.50 | .450 | .570 |
| SMP8527-823K | 820 | 1.96 | .420 | .500 |
| SMP8527-104K | 1000 | 2.28 | .360 | .460 |
| SMP8527-124K | 1200 | 2.52 | .320 | .440 |
| SMP8527-154K | 1500 | 3.49 | .280 | .380 |
| SMP8527-184K | 1800 | 3.89 | .260 | .360 |
| SMP8527-224K | 2200 | 4.40 | .240 | .330 |
| SMP8527-274K | 2700 | 5.78 | .200 | .290 |
| SMP8527-334K | 3300 | 7.51 | .180 | .260 |
| SMP8527-394K | 3900 | 8.44 | .170 | .240 |
| SMP8527-474K | 4700 | 9.56 | .150 | .230 |
| SMP8527-564K | 5600 | 13.2 | .140 | .190 |
| SMP8527-684K | 6800 | 15.0 | .130 | .180 |
| SMP8527-824K | 8200 | 17.0 | .120 | .170 |
| SMP8527-105K | 10000 | 22.8 | .100 | .150 |



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: | 480 |
| Pitch between parts: | 16 mm |
| Tape width: | 44 mm |
| Reel diameter inches: | 13 |