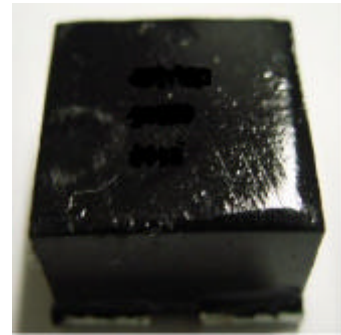


MIL-Spec/QPL-9300 Series Power Inductors
DSCC Drawing 93027

1. Leadless device for minimum footprint.
2. Lead pad coplanarity Max. 0.002 inch/0.05mm
3. Low EMI radiation
4. Low Thermal Expansion permits mounting on most substrate materials.
5. Built to meet MIL-T-27 specifications.
6. Operating temperature range: -55? to +125?
7. Temperature rise at rated DC current is less than 35? .
8. Inductance drop 30% maximum at rated current.
9. Terminals meet Solderability per MIL-STD-202, Test Method 208.
10. Space application: available to MIL-STD-981.
11. Outgassing: TML<1%.

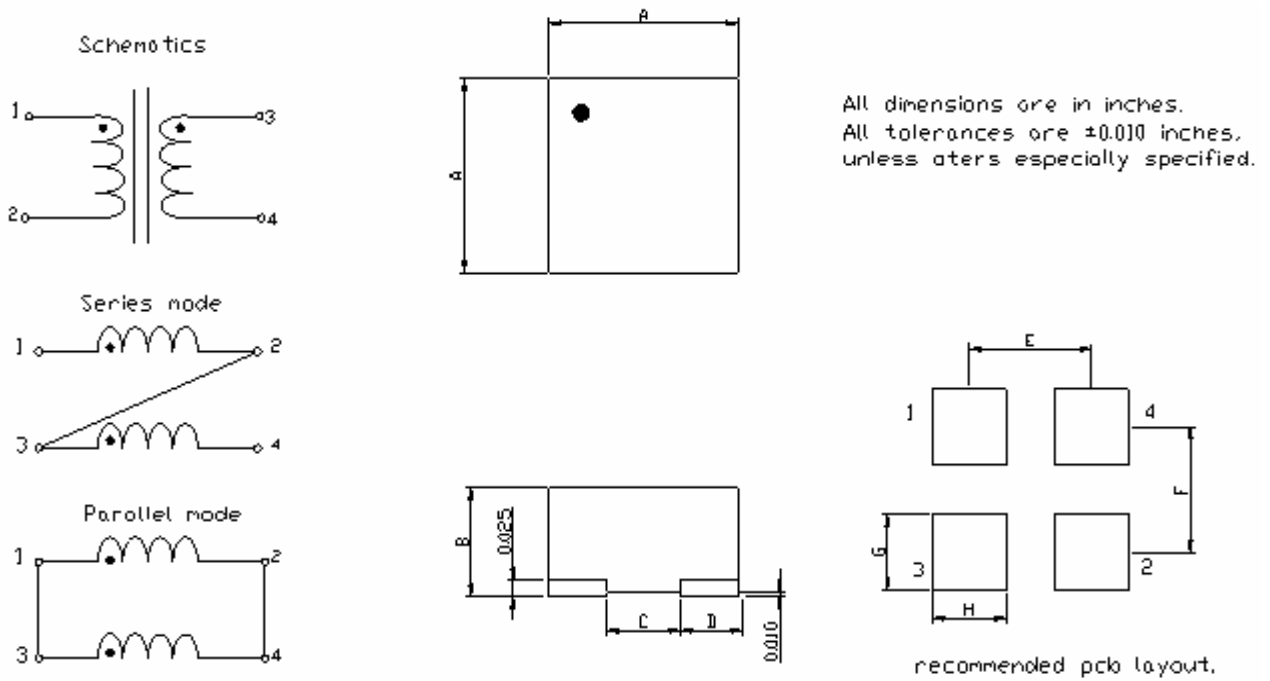


Electrical Characteristics:

| 5T4767-XXX | SERIES | | | PARALLEL | | | SIZE | Power Rating (mW) |
|------------|---------------------|---------------|----------------|-----------------------|---------------|----------------|------|-------------------|
| | Inductance mH+/-10% | Rated DC (mA) | DCR ohms (max) | Inductance (mH)+/-10% | Rated DC (mA) | DCR ohms (max) | | |
| 001 | 0.100 | 300 | 1.60 | 0.025 | 600 | 0.400 | 1 | 125 |
| 002 | | 600 | 0.96 | | 1200 | 0.240 | 2 | 250 |
| 003 | | 780 | 0.37 | | 1560 | 0.093 | 3 | 300 |
| 004 | | 1350 | 0.21 | | 2700 | 0.053 | 4 | 450 |
| 005 | 0.250 | 200 | 3.11 | 0.062 | 400 | 0.778 | 1 | 125 |
| 006 | | 400 | 1.98 | | 800 | 0.495 | 2 | 250 |
| 007 | | 530 | 0.82 | | 1060 | 0.205 | 3 | 300 |
| 008 | | 930 | 0.41 | | 1860 | 0.103 | 4 | 450 |
| 009 | 0.500 | 150 | 6.14 | 0.125 | 300 | 1.535 | 1 | 125 |
| 010 | | 300 | 3.35 | | 600 | 0.838 | 2 | 250 |
| 011 | | 380 | 1.62 | | 760 | 0.405 | 3 | 300 |
| 012 | | 660 | 0.82 | | 1320 | 0.205 | 4 | 450 |
| 013 | 0.750 | 120 | 9.45 | 0.187 | 240 | 2.363 | 1 | 125 |
| 014 | | 250 | 5.20 | | 500 | 1.300 | 2 | 250 |
| 015 | | 310 | 2.50 | | 620 | 0.625 | 3 | 300 |
| 016 | | 540 | 1.25 | | 1080 | 0.313 | 4 | 450 |
| 017 | 1.000 | 95 | 12.85 | 0.250 | 190 | 3.213 | 1 | 125 |
| 018 | | 200 | 6.90 | | 400 | 1.725 | 2 | 250 |
| 019 | | 270 | 3.37 | | 540 | 0.843 | 3 | 300 |
| 020 | | 470 | 1.87 | | 940 | 0.468 | 4 | 450 |
| 021 | 2.000 | 75 | 25.60 | 0.500 | 150 | 6.400 | 1 | 125 |
| 022 | | 150 | 12.20 | | 300 | 3.050 | 2 | 250 |
| 023 | | 190 | 6.75 | | 380 | 1.690 | 3 | 300 |
| 024 | | 330 | 3.62 | | 660 | 0.910 | 4 | 450 |
| 025 | 3.000 | 60 | 38.40 | 0.750 | 120 | 9.600 | 1 | 125 |
| 026 | | 120 | 18.30 | | 240 | 4.580 | 2 | 250 |
| 027 | | 160 | 10.12 | | 320 | 2.530 | 3 | 300 |
| 028 | | 270 | 5.50 | | 540 | 1.380 | 4 | 450 |
| 029 | 5.000 | 45 | 64.00 | 1.250 | 90 | 16.000 | 1 | 125 |
| 030 | | 90 | 30.40 | | 180 | 7.600 | 2 | 25- |
| 031 | | 120 | 16.87 | | 240 | 4.220 | 3 | 300 |
| 032 | | 210 | 9.12 | | 420 | 2.280 | 4 | 450 |
| 033 | 7.500 | 30 | 96.00 | 1.875 | 60 | 24.000 | 1 | 125 |
| 034 | | 70 | 46.00 | | 140 | 11.500 | 2 | 250 |
| 035 | | 100 | 25.37 | | 200 | 6.350 | 3 | 300 |
| 036 | | 170 | 13.75 | | 340 | 3.440 | 4 | 450 |
| 037 | 10.000 | 20 | 128.00 | 2.500 | 40 | 32.000 | 1 | 125 |
| 038 | | 50 | 61.00 | | 100 | 15.250 | 2 | 250 |
| 039 | | 80 | 33.75 | | 160 | 8.440 | 3 | 300 |
| 040 | | 140 | 18.25 | | 280 | 4.570 | 4 | 450 |

Continued...

Mechanical Dimensions:



| Size | A Max. | B Max. | C | D | E | F | G | H |
|---------------------------------|-------------|------------|------------|-----------------------------|------------|------------|------------|------------|
| 1 | 0.260/6.60 | 0.230/5.84 | 0.070/1.78 | 0.085+/-0.010/1.90 to 2.42 | 0.155/3.94 | 0.155/3.94 | 0.100/2.54 | 0.100/2.54 |
| 2 | 0.410/10.41 | 0.230/5.84 | 0.120/3.05 | 0.135+/-0.010/3.17 to 3.69 | 0.255/6.48 | 0.255/6.48 | 0.180/4.57 | 0.160/4.06 |
| 3 | 0.410/10.41 | 0.310/7.87 | 0.120/3.05 | 0.135+/-0.010 /3.17 to 3.69 | 0.255/6.48 | 0.255/6.48 | 0.180/4.57 | 0.160/4.06 |
| 4 | 0.535/13.59 | 0.310/7.87 | 0.135/3.43 | 0.200+/-0.010/4.82 to 5.34 | 0.335/8.51 | 0.335/8.51 | 0.250/6.35 | 0.250/6.35 |
| All dimensions are in inches/mm | | | | | | | | |