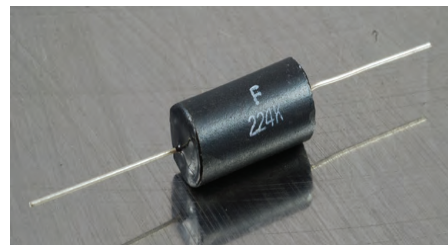
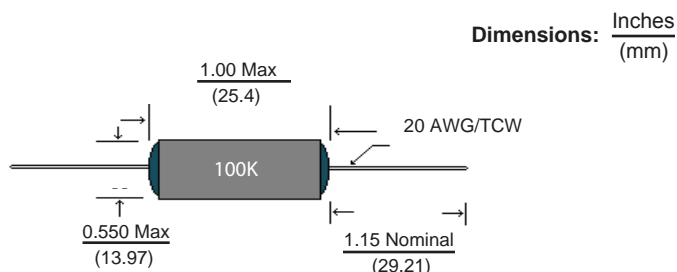


ASPC80 Power Shielded Inductors



Features

- Magnetically Shielded
- Epoxy End Caps for added Lead Strength and Protection

Electrical

Inductance Range: 1.0 μ H ~ 680mH

Tolerance: 10% across entire range

Tighter tolerances available

Test Frequency:

1.0 μ H ~ 82,000 μ H Tested @ 1KHZ, HP4263B

100,000 μ H ~ 680,000 μ H Tested @ 1KHZ, 1V HP4263B

Operating Temp: -55°C ~ +125°C

Current Rating: Based on a .33 watt power dissipation for approximately 20°C Temp Rise

Test Equipment

Inductance: HP4263B & HP4282 As noted above.

Current: 11021 Current Source with DCR Meter

DCR: HP4263B

Physical

Packaging: Bulk Only

Marking: EIA Inductance Code

| Allied Part Number | L (μ H) | DCR (Ω) Max | Rated Current (AC Amps) | Allied Part Number | L (μ H) | DCR (Ω) Max | Rated Current (AC Amps) |
|--------------------|--------------|----------------------|-------------------------|--------------------|---------------|----------------------|-------------------------|
| ASPC80-1R0K-RC | 1.0 | 0.0066 | 1.50 | ASPC80-272K-RC | 2700 | 0.190 | 1.12 |
| ASPC80-1R2K-RC | 1.2 | 0.007 | 1.40 | ASPC80-332K-RC | 3300 | 0.213 | 1.12 |
| ASPC80-1R5K-RC | 1.5 | 0.008 | 1.40 | ASPC80-392K-RC | 3900 | 0.287 | 0.88 |
| ASPC80-1R8K-RC | 1.8 | 0.008 | 1.40 | ASPC80-472K-RC | 4700 | 0.364 | 0.88 |
| ASPC80-2R2K-RC | 2.2 | 0.008 | 1.40 | ASPC80-562K-RC | 5600 | 0.440 | 0.707 |
| ASPC80-2R7K-RC | 2.7 | 0.009 | 1.40 | ASPC80-682K-RC | 6800 | 0.562 | 0.556 |
| ASPC80-3R3K-RC | 3.3 | 0.009 | 1.40 | ASPC80-822K-RC | 8200 | 0.700 | 0.556 |
| ASPC80-3R9K-RC | 3.9 | 0.009 | 1.40 | | | | |
| ASPC80-4R7K-RC | 4.7 | 0.012 | 1.40 | | L (mH) | | |
| ASPC80-5R6K-RC | 5.6 | 0.012 | 1.40 | | | | |
| ASPC80-6R8K-RC | 6.8 | 0.012 | 1.40 | ASPC80-103K-RC | 10 | 0.741 | 0.437 |
| ASPC80-8R2K-RC | 8.2 | 0.013 | 1.40 | ASPC80-123K-RC | 12 | 0.827 | 0.437 |
| ASPC80-100K-RC | 10 | 0.013 | 1.40 | ASPC80-153K-RC | 15 | 1.10 | 0.350 |
| ASPC80-120K-RC | 12 | 0.013 | 1.40 | ASPC80-183K-RC | 18 | 1.26 | 0.227 |
| ASPC80-150K-RC | 15 | 0.014 | 1.40 | ASPC80-223K-RC | 22 | 1.67 | 0.224 |
| ASPC80-180K-RC | 18 | 0.017 | 1.40 | ASPC80-273K-RC | 27 | 1.92 | 0.224 |
| ASPC80-220K-RC | 22 | 0.02 | 1.40 | ASPC80-333K-RC | 33 | 2.78 | 0.224 |
| ASPC80-270K-RC | 27 | 0.02 | 1.40 | ASPC80-393K-RC | 39 | 3.48 | 0.224 |
| ASPC80-330K-RC | 33 | 0.022 | 1.40 | ASPC80-473K-RC | 47 | 4.32 | 0.224 |
| ASPC80-390K-RC | 39 | 0.023 | 1.39 | ASPC80-563K-RC | 56 | 5.44 | 0.224 |
| ASPC80-470K-RC | 47 | 0.024 | 1.36 | ASPC80-683K-RC | 68 | 6.80 | 0.224 |
| ASPC80-560K-RC | 56 | 0.027 | 1.35 | ASPC80-823K-RC | 82 | 7.20 | 0.176 |
| ASPC80-680K-RC | 68 | 0.028 | 1.35 | ASPC80-104K-RC | 100 | 8.50 | 0.176 |
| ASPC80-820K-RC | 82 | 0.029 | 1.35 | ASPC80-124K-RC | 120 | 10.56 | 0.138 |
| ASPC80-101K-RC | 100 | 0.030 | 1.35 | ASPC80-154K-RC | 150 | 12.24 | 0.138 |
| ASPC80-121K-RC | 120 | 0.034 | 1.35 | ASPC80-184K-RC | 180 | 13.68 | 0.138 |
| ASPC80-151K-RC | 150 | 0.036 | 1.35 | ASPC80-224K-RC | 220 | 24 | 0.110 |
| ASPC80-181K-RC | 180 | 0.044 | 1.35 | ASPC80-274K-RC | 270 | 27 | 0.088 |
| ASPC80-221K-RC | 220 | 0.047 | 1.35 | ASPC80-334K-RC | 330 | 32 | 0.080 |
| ASPC80-271K-RC | 270 | 0.049 | 1.35 | ASPC80-394K-RC | 390 | 37 | 0.071 |
| ASPC80-331K-RC | 330 | 0.052 | 1.30 | ASPC80-474K-RC | 470 | 39.48 | 0.071 |
| ASPC80-391K-RC | 390 | 0.053 | 1.30 | ASPC80-564K-RC | 560 | 46.68 | 0.071 |
| ASPC80-471K-RC | 470 | 0.058 | 1.30 | ASPC80-680K-RC | 680 | 56.80 | 0.071 |
| ASPC80-561K-RC | 560 | 0.063 | 1.30 | | | | |
| ASPC80-681K-RC | 680 | 0.068 | 1.30 | | | | |
| ASPC80-821K-RC | 820 | 0.080 | 1.30 | | | | |
| ASPC80-102K-RC | 1000 | 0.091 | 1.30 | | | | |
| ASPC80-122K-RC | 1200 | 0.110 | 1.25 | | | | |
| ASPC80-152K-RC | 1500 | 0.116 | 1.25 | | | | |
| ASPC80-182K-RC | 1800 | 0.130 | 1.25 | | | | |
| ASPC80-222K-RC | 2200 | 0.177 | 1.12 | | | | |

All specifications subject to change without notice.