



| Physical Parameters | | | | Tape & Reel (additional charge) | |
|---------------------|------------------|-----------------|------------------|------------------------------------|---------------------|
| Size | E Max. | F Max. | G ⁽¹⁾ | Small Reel (Qty) | Large Reel (Qty) |
| A | 0.260 (6.60) | 0.230 (5.84) | 0.085 (2.16) | 300 | 1000 |
| B | 0.410 (10.41) | 0.230 (5.84) | 0.135 (3.43) | 200 | 650 |
| C | 0.410 (10.41) | 0.310 (7.87) | 0.135 (3.43) | 200 | 650 |
| D | 0.535 (13.59) | 0.310 (7.87) | 0.200 (5.08) | 125 | 300 |
| E | .700 (17.78) | .400 (10.16) | .250 (6.35) | 150 | |
| F | .260 (6.60) | 0.199 (5.05) | 0.085 (2.16) | 300 | 1000 |

ALL DIMENSIONS ARE IN INCHES, () MM. ⁽¹⁾TOLERANCE FOR ALL DIMENSIONS ±0.010 INCH (0.25MM)

FEATURES

- Leadless device for minimum footprint
- Lead Pad Coplanarity Max: 0.002 inches; 0.05 mm
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials
- Custom Designs: Other electrical configurations and performance characteristics are available in various sizes and package types

SPECIFICATIONS

- Case: Grade 5, encapsulated
- Terminals: tin-lead plated phosphor bronze
- Weight: 1.25 ounces, maximum
- Altitude: 70,000 feet, maximum
- Operating temperature range: -55°C to 125°C
- Insulation Resistance: MIL-STD-202, method 302, 1,000 megohms minimum at 100 V dc
- Terminal strength: MIL-STD-202, method 211, test condition A, 2 lbs
- Dielectric withstanding voltage (at sea level): 200 volts rms
- Temperature rise 35°C max over ambient temperature of 90°C
- Terminals meet solderability per MIL-STD-202, Method 208
- Inductance measured at 0.1 Vrms, 10 kHz, 0 DC current
- Outgassing meets NASA spec SP-R-0022A: TML < 1%
- Meets the requirements of MIL-PRF-27/372 and MIL-STD-981, class S or class B
Class S parts are intended for critical flight and mission-essential ground support applications and any application that is critical to safety.
Class B parts are for use in noncritical flight and non-mission-essential ground support applications.

| Dash Number | C/ACM P/N | Series | | | Parallel | | | Size | Power Rating (mW) |
|--------------------|-----------|-----------------------------|-----------------------|-----------------------|-----------------------------|-----------------------|-----------------------|------|-------------------|
| | | Inductance ±10 Percent (mH) | Rated DC Current (mA) | DC Resistance Max (Ω) | Inductance ±10 percent (mH) | Rated DC Current (mA) | DC Resistance Max (Ω) | | |
| MIL-PRF-27/372-001 | S96001 | 0.100 | 300 | 1.60 | 0.025 | 600 | 0.400 | A | 125 |
| MIL-PRF-27/372-002 | S96002 | 0.100 | 600 | 0.96 | 0.025 | 1200 | 0.240 | B | 250 |
| MIL-PRF-27/372-003 | S96003 | 0.100 | 780 | 0.37 | 0.025 | 1560 | 0.093 | C | 300 |
| MIL-PRF-27/372-004 | S96004 | 0.100 | 1350 | 0.21 | 0.025 | 2700 | 0.053 | D | 450 |
| MIL-PRF-27/372-005 | S96005 | 0.250 | 200 | 3.11 | 0.062 | 400 | 0.778 | A | 125 |
| MIL-PRF-27/372-006 | S96006 | 0.250 | 400 | 1.98 | 0.062 | 800 | 0.495 | B | 250 |
| MIL-PRF-27/372-007 | S96007 | 0.250 | 530 | 0.82 | 0.062 | 1060 | 0.205 | C | 300 |
| MIL-PRF-27/372-008 | S96008 | 0.250 | 930 | 0.41 | 0.062 | 1860 | 0.103 | D | 450 |
| MIL-PRF-27/372-009 | S96009 | 0.500 | 150 | 6.14 | 0.125 | 300 | 1.535 | A | 125 |
| MIL-PRF-27/372-010 | S96010 | 0.500 | 300 | 3.35 | 0.125 | 600 | 0.838 | B | 250 |
| MIL-PRF-27/372-011 | S96011 | 0.500 | 380 | 1.62 | 0.125 | 760 | 0.405 | C | 300 |
| MIL-PRF-27/372-012 | S96012 | 0.500 | 660 | 0.82 | 0.125 | 1320 | 0.205 | D | 450 |
| MIL-PRF-27/372-013 | S96013 | 0.750 | 120 | 9.45 | 0.187 | 240 | 2.363 | A | 125 |
| MIL-PRF-27/372-014 | S96014 | 0.750 | 250 | 5.20 | 0.187 | 500 | 1.300 | B | 250 |
| MIL-PRF-27/372-015 | S96015 | 0.750 | 310 | 2.50 | 0.187 | 620 | 0.625 | C | 300 |
| MIL-PRF-27/372-016 | S96016 | 0.750 | 540 | 1.25 | 0.187 | 1080 | 0.313 | D | 450 |
| MIL-PRF-27/372-017 | S96017 | 1.000 | 95 | 12.85 | 0.250 | 190 | 3.213 | A | 125 |
| MIL-PRF-27/372-018 | S96018 | 1.000 | 200 | 6.90 | 0.250 | 400 | 1.725 | B | 250 |
| MIL-PRF-27/372-019 | S96019 | 1.000 | 270 | 3.37 | 0.250 | 540 | 0.843 | C | 300 |
| MIL-PRF-27/372-020 | S96020 | 1.000 | 470 | 1.87 | 0.250 | 940 | 0.468 | D | 450 |
| MIL-PRF-27/372-021 | S96021 | 2.000 | 75 | 25.60 | 0.500 | 150 | 6.400 | A | 125 |
| MIL-PRF-27/372-022 | S96022 | 2.000 | 150 | 12.20 | 0.500 | 300 | 3.050 | B | 250 |
| MIL-PRF-27/372-023 | S96023 | 2.000 | 190 | 6.75 | 0.500 | 380 | 1.690 | C | 300 |
| MIL-PRF-27/372-024 | S96024 | 2.000 | 330 | 3.62 | 0.500 | 660 | 0.910 | D | 450 |
| MIL-PRF-27/372-025 | S96025 | 3.000 | 60 | 38.40 | 0.750 | 120 | 9.600 | A | 125 |
| MIL-PRF-27/372-026 | S96026 | 3.000 | 120 | 18.30 | 0.750 | 240 | 4.580 | B | 250 |
| MIL-PRF-27/372-027 | S96027 | 3.000 | 160 | 10.12 | 0.750 | 320 | 2.530 | C | 300 |
| MIL-PRF-27/372-028 | S96028 | 3.000 | 270 | 5.50 | 0.750 | 540 | 1.380 | D | 450 |
| MIL-PRF-27/372-029 | S96029 | 5.000 | 45 | 64.00 | 1.250 | 90 | 16.000 | A | 125 |
| MIL-PRF-27/372-030 | S96030 | 5.000 | 90 | 30.40 | 1.250 | 180 | 7.600 | B | 250 |
| MIL-PRF-27/372-031 | S96031 | 5.000 | 120 | 16.87 | 1.250 | 240 | 4.220 | C | 300 |
| MIL-PRF-27/372-032 | S96032 | 5.000 | 210 | 9.12 | 1.250 | 420 | 2.280 | D | 450 |
| MIL-PRF-27/372-033 | S96033 | 7.500 | 30 | 96.00 | 1.875 | 60 | 24.000 | A | 125 |
| MIL-PRF-27/372-034 | S96034 | 7.500 | 70 | 46.00 | 1.875 | 140 | 11.500 | B | 250 |
| MIL-PRF-27/372-035 | S96035 | 7.500 | 100 | 25.37 | 1.875 | 200 | 6.350 | C | 300 |
| MIL-PRF-27/372-036 | S96036 | 7.500 | 170 | 13.75 | 1.875 | 340 | 3.440 | D | 450 |
| MIL-PRF-27/372-037 | S96037 | 10.000 | 20 | 128.00 | 2.500 | 40 | 32.000 | A | 125 |
| MIL-PRF-27/372-038 | S96038 | 10.000 | 50 | 61.00 | 2.500 | 100 | 15.250 | B | 250 |
| MIL-PRF-27/372-039 | S96039 | 10.000 | 80 | 33.75 | 2.500 | 160 | 8.440 | C | 300 |
| MIL-PRF-27/372-040 | S96040 | 10.000 | 140 | 18.25 | 2.500 | 280 | 4.570 | D | 450 |

Part or Identifying Number (PIN):

S96xxxS: MIL-STD-981, Class S
S96xxxB: MIL-STD-981, Class B



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Web: www.coastacm.com · Email: sales@coastacm.com

| Dash Number | C/ACM P/N | Series | | | Parallel | | | Size |
|--------------------|-----------|--|-----------------------|--------------------------------|--|-----------------------|--------------------------------|------|
| | | Inductance ± 12 percent (μ H) | Rated DC Current (mA) | DC Resistance Max (Ω) | Inductance ± 12 percent (μ H) | Rated DC Current (mA) | DC Resistance Max (Ω) | |
| MIL-PRF-27/372-041 | S96041 | 11 | 4800 | .024 | 2.76 | 9600 | .006 | E |
| MIL-PRF-27/372-042 | S96042 | 18 | 3700 | .036 | 4.50 | 7400 | .009 | E |
| MIL-PRF-27/372-043 | S96043 | 27 | 3000 | .052 | 6.75 | 6000 | .013 | E |
| MIL-PRF-27/372-044 | S96044 | 38 | 2500 | .076 | 9.50 | 5000 | .019 | E |
| MIL-PRF-27/372-045 | S96045 | 44 | 2400 | .084 | 11.00 | 4800 | .021 | E |
| MIL-PRF-27/372-046 | S96046 | 100 | 1600 | .20 | 25.00 | 3200 | .050 | E |
| MIL-PRF-27/372-047 | S96047 | 200 | 1100 | .46 | 50.00 | 2200 | .115 | E |
| MIL-PRF-27/372-048 | S96048 | 400 | 800 | .84 | 100.00 | 1600 | .210 | E |
| MIL-PRF-27/372-049 | S96049 | 500 | 710 | 1.16 | 125.00 | 1420 | .290 | E |
| MIL-PRF-27/372-050 | S96050 | 760 | 670 | 1.76 | 167.60 | 1140 | .440 | E |
| MIL-PRF-27/372-051 | S96051 | 1000 | 500 | 2.00 | 250.00 | 1000 | .500 | E |
| MIL-PRF-27/372-052 | S96052 | 2000 | 350 | 4.32 | 500.00 | 700 | 1.075 | E |
| MIL-PRF-27/372-053 | S96053 | 3000 | 290 | 6.64 | 750.00 | 580 | 1.660 | E |
| MIL-PRF-27/372-054 | S96054 | 4000 | 250 | 7.68 | 1000.00 | 500 | 1.920 | E |
| MIL-PRF-27/372-055 | S96055 | 7500 | 180 | 16.20 | 1875.00 | 360 | 4.050 | E |
| MIL-PRF-27/372-056 | S96056 | 10,000 | 150 | 18.80 | 2500.00 | 300 | 4.070 | E |
| MIL-PRF-27/372-057 | S96057 | 11 | 6000 | .020 | 2.75 | 12,000 | .005 | E |
| MIL-PRF-27/372-058 | S96058 | 18 | 4600 | .032 | 4.50 | 9200 | .008 | E |
| MIL-PRF-27/372-059 | S96059 | 27 | 3700 | .044 | 6.75 | 7400 | .011 | E |
| MIL-PRF-27/372-060 | S96060 | 38 | 3100 | .064 | 9.50 | 6200 | .016 | E |
| MIL-PRF-27/372-061 | S96061 | 44 | 3000 | .068 | 11.00 | 6000 | .017 | E |
| MIL-PRF-27/372-062 | S96062 | 100 | 2000 | .152 | 25.00 | 4000 | .038 | E |
| MIL-PRF-27/372-063 | S96063 | 200 | 1300 | .340 | 50.00 | 2600 | .085 | E |
| MIL-PRF-27/372-064 | S96064 | 400 | 890 | .600 | 100.00 | 1780 | .150 | E |
| MIL-PRF-27/372-065 | S96065 | 500 | 800 | .848 | 125.00 | 1600 | .212 | E |
| MIL-PRF-27/372-066 | S96066 | 750 | 700 | 1.32 | 187.50 | 1400 | .330 | E |
| MIL-PRF-27/372-067 | S96067 | 1000 | 600 | 1.52 | 250.00 | 1200 | .380 | E |
| MIL-PRF-27/372-068 | S96068 | 2000 | 430 | 3.40 | 500.00 | 860 | .850 | E |
| MIL-PRF-27/372-069 | S96069 | 3000 | 360 | 5.20 | 750.00 | 720 | 1.300 | E |
| MIL-PRF-27/372-070 | S96070 | 4000 | 310 | 6.08 | 1000.00 | 620 | 1.520 | E |
| MIL-PRF-27/372-071 | S96071 | 7500 | 220 | 13.20 | 1875.00 | 440 | 3.300 | E |
| MIL-PRF-27/372-072 | S96072 | 10,000 | 180 | 15.20 | 2500.00 | 360 | 3.800 | E |
| MIL-PRF-27/372-073 | S96073 | .08 | 3300 | .020 | .020 | 6600 | .005 | F |
| MIL-PRF-27/372-074 | S96074 | .14 | 2800 | .024 | .035 | 5600 | .006 | F |
| MIL-PRF-27/372-075 | S96075 | .22 | 2400 | .036 | .055 | 4600 | .009 | F |
| MIL-PRF-27/372-076 | S96076 | .44 | 1800 | .056 | .110 | 3600 | .014 | F |
| MIL-PRF-27/372-077 | S96077 | .56 | 1500 | .072 | .140 | 3000 | .018 | F |
| MIL-PRF-27/372-078 | S96078 | .60 | 2300 | .036 | .150 | 4600 | .009 | F |
| MIL-PRF-27/372-079 | S96079 | .86 | 1900 | .048 | .215 | 3800 | .012 | F |
| MIL-PRF-27/372-080 | S96080 | 1.30 | 1900 | .048 | .340 | 3800 | .012 | F |
| MIL-PRF-27/372-081 | S96081 | 1.86 | 1800 | .052 | .465 | 3600 | .013 | F |
| MIL-PRF-27/372-082 | S96082 | 2.44 | 1700 | .060 | .610 | 3400 | .015 | F |
| MIL-PRF-27/372-083 | S96083 | 3.46 | 1500 | .064 | .865 | 3000 | .016 | F |
| MIL-PRF-27/372-084 | S96084 | 4.40 | 1200 | .080 | 1.10 | 2400 | .020 | F |
| MIL-PRF-27/372-085 | S96085 | 5.40 | 1000 | .120 | 1.35 | 2000 | .030 | F |
| MIL-PRF-27/372-086 | S96086 | 7.80 | 950 | .160 | 1.95 | 1900 | .040 | F |
| MIL-PRF-27/372-087 | S96087 | 10.60 | 850 | .240 | 2.65 | 1700 | .060 | F |
| MIL-PRF-27/372-088 | S96088 | 12.16 | 800 | .260 | 3.04 | 1600 | .065 | F |
| MIL-PRF-27/372-089 | S96089 | 13.80 | 750 | .280 | 3.45 | 1500 | .070 | F |
| MIL-PRF-27/372-090 | S96090 | 17.48 | 650 | .360 | 4.37 | 1300 | .090 | F |
| MIL-PRF-27/372-091 | S96091 | 19.52 | 600 | .400 | 4.88 | 1200 | .100 | F |
| MIL-PRF-27/372-092 | S96092 | 10.60 | 550 | .500 | 5.40 | 1100 | .125 | F |
| MIL-PRF-27/372-093 | S96093 | 26.20 | 500 | .560 | 6.55 | 1000 | .140 | F |
| MIL-PRF-27/372-094 | S96094 | 31.20 | 450 | .600 | 7.80 | 900 | .150 | F |
| MIL-PRF-27/372-095 | S96095 | 48.60 | 400 | .900 | 12.15 | 800 | .225 | F |
| MIL-PRF-27/372-096 | S96096 | 58.80 | 350 | 1.30 | 14.70 | 700 | .325 | F |
| MIL-PRF-27/372-097 | S96097 | 78.00 | 300 | 1.52 | 19.50 | 600 | .380 | F |
| MIL-PRF-27/372-098 | S96098 | 90.80 | 280 | 2.20 | 22.70 | 560 | .550 | F |
| MIL-PRF-27/372-099 | S96099 | 100.00 | 250 | 2.40 | 25.00 | 500 | .600 | F |

