

Mica Capacitors Miniature Dipped

Types CD5, CD6, CD7, CDS5, CDS10, D7, CDS15, CDS19, CDS30



Small cases for tight places is what you get with CDE miniature dipped silver mica capacitors. Like the standard dipped mica capacitor, the miniature dipped product offers the same stability and rugged performance in low and moderate-humidity applications.

Highlights

- ◆ Reel packaging available
- ◆ Dimensions meet EIA RS153B specification
- ◆ 20,000 V/ μ s dV/dt pulse capability minimum
- ◆ Non-flammable units that meet IEC 695-2-2 are available



Part Numbers with the F at the end are RoHS-5 Compliant

Has more than 1000 ppm lead in some homogenous material but otherwise complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

Specifications

Capacitance Range: 1 pF to 40,000 pF

Voltage Range: 50 Vdc to 500 Vdc

Capacitance Tolerance: $\pm 1/2$ pF (D), ± 1 pF (C), $\pm 1/2\%$ (E), $\pm 1\%$ (F), $\pm 2\%$ (G), $\pm 5\%$ (J)

Temperature Range: -55 °C to $+125$ °C

Dielectric Strength Test: 200% of rated voltage

Ratings

| Cap (pF) | Volts (Vdc) | Catalog Part Number | L (inches (mm)) | H (inches (mm)) | T (inches (mm)) | S (inches (mm)) | d (inches (mm)) |
|----------|-------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1 | 300 | CD5CC010D03F | 0.270 (6.9) | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4) |
| 1 | 300 | CDS5CC010D03F | 0.250 (6.4) | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4) |
| 1 | 500 | CD6CD010D03 | 0.275 (7.0) | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4) |
| 1 | 500 | CDS10CD010D03F | 0.310 (7.9) | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4) |
| 1 | 500 | CDS15CD010D03F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6) |
| 2 | 300 | CD5CC020D03F | 0.270 (6.9) | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4) |
| 2 | 300 | CDS5CC020D03F | 0.250 (6.4) | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4) |
| 2 | 500 | CD6CD020D03 | 0.275 (7.0) | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4) |
| 2 | 500 | CDS10CD020D03F | 0.310 (7.9) | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4) |
| 2 | 500 | CDS15CD020D03F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6) |
| 3 | 300 | CD5CC030D03F | 0.270 (6.9) | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4) |
| 3 | 300 | CDS5CC030D03F | 0.250 (6.4) | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4) |
| 3 | 500 | CD6CD030D03 | 0.275 (7.0) | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4) |
| 3 | 500 | CDS10CD030D03F | 0.310 (7.9) | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4) |
| 3 | 500 | CDS15CD030D03F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6) |
| 4 | 300 | CD5CC040D03F | 0.270 (6.9) | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4) |
| 4 | 300 | CDS5CC040D03F | 0.250 (6.4) | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4) |
| 4 | 500 | CD6CD040D03 | 0.275 (7.0) | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4) |
| 4 | 500 | CDS10CD040D03F | 0.310 (7.9) | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4) |
| 4 | 500 | CDS15CD040D03F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6) |
| 5 | 300 | CD5CC050D03F | 0.270 (6.9) | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4) |
| 5 | 300 | CDS5CC050D03F | 0.250 (6.4) | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4) |
| 5 | 500 | CD6CD050D03 | 0.275 (7.0) | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4) |
| 5 | 500 | CDS10CD050D03F | 0.310 (7.9) | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4) |
| 5 | 500 | CDS15CD050D03F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6) |
| 6 | 300 | CD5CC060D03F | 0.270 (6.9) | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4) |
| 6 | 300 | CDS5CC060D03F | 0.250 (6.4) | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4) |
| 6 | 500 | CD6CD060D03 | 0.275 (7.0) | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4) |
| 6 | 500 | CDS10CD060D03F | 0.310 (7.9) | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4) |
| 6 | 500 | CDS15CD060D03F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6) |
| 7 | 300 | CD5CC070D03F | 0.270 (6.9) | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4) |
| 7 | 300 | CDS5CC070D03F | 0.250 (6.4) | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4) |
| 7 | 500 | CD6CD070D03 | 0.275 (7.0) | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4) |
| 7 | 500 | CDS10CD070D03F | 0.310 (7.9) | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4) |
| 7 | 500 | CDS15CD070D03F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6) |
| 8 | 300 | CD5CC080D03F | 0.270 (6.9) | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4) |
| 8 | 300 | CDS5CC080D03F | 0.250 (6.4) | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4) |
| 8 | 500 | CD6CD080D03 | 0.275 (7.0) | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4) |
| 8 | 500 | CDS10CD080D03F | 0.310 (7.9) | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4) |
| 8 | 500 | CDS15CD080D03F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6) |
| 9 | 300 | CD5CC090D03F | 0.270 (6.9) | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4) |
| 9 | 300 | CDS5CC090D03F | 0.250 (6.4) | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4) |
| 9 | 500 | CD6CD090D03 | 0.275 (7.0) | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4) |
| 9 | 500 | CDS10CD090D03F | 0.310 (7.9) | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4) |
| 9 | 500 | CDS15CD090D03F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6) |
| 10 | 300 | CD5CC100J03F | 0.270 (6.9) | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4) |
| 10 | 300 | CDS5CC100J03F | 0.250 (6.4) | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4) |
| 10 | 500 | CD6CD100D03 | 0.275 (7.0) | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4) |
| 10 | 500 | CDS10CD100J03F | 0.310 (7.9) | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4) |
| 10 | 500 | CDS15CD100J03F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6) |
| 11 | 300 | CD5CC110J03F | 0.270 (6.9) | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4) |
| 11 | 300 | CDS5CC110J03F | 0.250 (6.4) | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4) |
| 11 | 500 | CD6CD110D03 | 0.275 (7.0) | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4) |
| 11 | 500 | CDS10CD110J03F | 0.310 (7.9) | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4) |
| 11 | 500 | CDS15CD110J03F | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6) |
| 12 | 300 | CD5CC120J03F | 0.270 (6.9) | 0.190 (4.8) | 0.110 (2.8) | 0.120 (3.0) | 0.016 (4) |
| 12 | 300 | CDS5CC120J03 | 0.250 (6.4) | 0.160 (4.1) | 0.090 (2.3) | 0.120 (3.0) | 0.016 (4) |
| 12 | 500 | CD6CD120J03 | 0.275 (7.0) | 0.175 (4.4) | 0.095 (2.4) | 0.172 (4.4) | 0.016 (4) |
| 12 | 500 | CDS10CD120J03 | 0.310 (7.9) | 0.260 (6.6) | 0.120 (3.0) | 0.141 (3.6) | 0.016 (4) |
| 12 | 500 | CDS15CD120J03 | 0.430 (10.9) | 0.280 (7.1) | 0.140 (3.6) | 0.234 (5.9) | 0.025 (6) |
| 15 | 300 | CD5CC150J03F | 0.270 (6.9) | 0.190 (4.8) | 0.120 (3.0) | 0.120 (3.0) | 0.016 (4) |
| 15 | 300 | CDS5CC150J03F | 0.250 (6.4) | 0.170 (4.3) | 0.100 (2.5) | 0.120 (3.0) | 0.016 (4) |

Данный компонент на территории Российской Федерации

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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