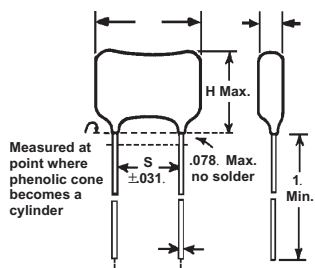


# Mica Capacitors Miniature Dipped

## 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.



### 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).

### Highlights

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

### Specifications

**Capacitance Range:** 1 pF to 40,000 pF

**Voltage Range:** 50 Vdc to 500 Vdc

**Capacitance Tolerance:** ±1/2 pF (D), ±1 pF (C), ±1/2% (E), ±1% (F), ±2% (G), ±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)       |







Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.