

FEATURES

The HV series not only withstands high temperatures (200°C), but also offers high voltage (500-4000 VDC)

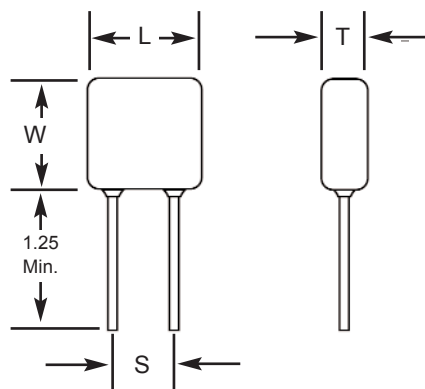
To be used in robust applications

- Down Hole
- Industrial
- Harsh Environments

NOTE:

Other tolerances, higher capacitance values, voltages, or special package configurations are available upon request.

CAPACITOR OUTLINE DRAWING



DIMENSIONS

| Style | Sizes in Inches (mm) max. | | | Lead Spacing ±0.030 (S) |
|-------|---------------------------|--------------|---------------|-------------------------|
| | Length (L) | Width (W) | Thickness (T) | |
| HV10 | .250 (6.35) | .220 (5.59) | .150 (3.81) | .170 (4.32) |
| HV11 | .320 (8.13) | .300 (7.62) | .250 (6.35) | .200 (5.08) |
| HV12 | .420 (10.67) | .400 (10.16) | .250 (6.35) | .300 (7.62) |
| HV13 | .520 (13.21) | .500 (12.70) | .300 (7.62) | .400 (10.16) |
| HV14 | .620 (15.75) | .500 (12.70) | .300 (7.62) | .500 (12.70) |
| HV15 | .720 (18.29) | .700 (17.78) | .300 (7.62) | .600 (15.24) |
| HV16 | .820 (20.83) | .700 (17.78) | .350 (8.89) | .700 (17.78) |

PART NUMBER AND ORDERING INFORMATION



MARKING

(HV10, HV11)
472M
KEC
Date Code

(All other sizes)
HV12B472M
1kV
KEC
Date Code

High Temperature (+200°C), High Voltage Radial Ceramic Capacitors HV Series

COG DIELECTRIC

| STYLE | | HV10 | | | HV11 | | | | HV12 | | | | HV13 | | | | HV14 | | | | | HV15 | | | | | HV16 | | | | |
|--------|----------------------------|-------------|----|-----|-------------|----|----|-----|--------------|----|----|-----|--------------|----|----|-----|--------------|----|----|----|-----|--------------|----|----|----|-----|--------------|----|----|----|--|
| Cap | L MAX | .250 (6.35) | | | .320 (8.13) | | | | .420 (10.67) | | | | .520 (13.21) | | | | .620 (15.75) | | | | | .720 (18.29) | | | | | .820 (20.83) | | | | |
| | W MAX | .220 (5.59) | | | .300 (7.62) | | | | .400 (10.16) | | | | .500 (12.70) | | | | .500 (12.70) | | | | | .700 (17.78) | | | | | .700 (17.78) | | | | |
| | T MAX | .150 (3.81) | | | .250 (6.35) | | | | .250 (6.35) | | | | .300 (7.62) | | | | .300 (7.62) | | | | | .300 (7.62) | | | | | .350 (8.89) | | | | |
| | S ± .030 | .170 (4.32) | | | .200 (5.08) | | | | .300 (7.62) | | | | .400 (10.16) | | | | .500 (12.70) | | | | | .600 (15.24) | | | | | .700 (17.78) | | | | |
| | Lead Dia. +0.004/-0.002 | .025 (.635) | | | .025 (.635) | | | | .025 (.635) | | | | .025 (.635) | | | | .025 (.635) | | | | | .025 (.635) | | | | | .025 (.635) | | | | |
| | Cap Code | WVDC | | | WVDC | | | | WVDC | | | | WVDC | | | | WVDC | | | | | WVDC | | | | | WVDC | | | | |
| | 500 | 1k | 2k | 500 | 1k | 2k | 3k | 500 | 1k | 2k | 3k | 500 | 1k | 2k | 3k | 500 | 1k | 2k | 3k | 4k | 500 | 1k | 2k | 3k | 4k | 500 | 1k | 2k | 3k | 4k | |
| 12pF | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 220 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 270 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33 | 330 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39 | 390 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 470 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56 | 560 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | 680 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | 820 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 101 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120 | 121 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150 | 151 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | 181 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220 | 221 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 270 | 271 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330 | 331 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 390 | 391 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 470 | 471 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 560 | 561 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 680 | 681 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 820 | 821 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000 | 102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1200 | 122 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1500 | 152 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1800 | 182 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200 | 222 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2700 | 272 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3300 | 332 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3900 | 392 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4700 | 472 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5600 | 562 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6800 | 682 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8200 | 822 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.01uF | 103 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.012 | 123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.015 | 153 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

X7R DIELECTRIC

| STYLE | | HV10 | | | HV11 | | | HV12 | | | HV13 | | | | HV14 | | | | HV15 | | | | HV16 | | | | | | |
|--------|----------------------------|-------------|----|----|-------------|----|----|--------------|----|----|--------------|----|----|----|--------------|----|----|----|--------------|-----|----|----|--------------|----|-----|----|----|----|----|
| Cap | L MAX | .250 (6.35) | | | .320 (8.13) | | | .420 (10.67) | | | .520 (13.21) | | | | .620 (15.75) | | | | .720 (18.29) | | | | .820 (20.83) | | | | | | |
| | W MAX | .220 (5.59) | | | .300 (7.62) | | | .400 (10.16) | | | .500 (12.70) | | | | .500 (12.70) | | | | .700 (17.78) | | | | .700 (17.78) | | | | | | |
| | T MAX | .150 (3.81) | | | .250 (6.35) | | | .250 (6.35) | | | .300 (7.62) | | | | .300 (7.62) | | | | .300 (7.62) | | | | .350 (8.89) | | | | | | |
| | S± .030 | .170 (4.32) | | | .200 (5.08) | | | .300 (7.62) | | | .400 (10.16) | | | | .500 (12.70) | | | | .600 (15.24) | | | | .700 (17.78) | | | | | | |
| | Lead Dia. +0.004/-0.002 | .025 (.635) | | | .025 (.635) | | | .025 (.635) | | | .025 (.635) | | | | .025 (.635) | | | | .025 (.635) | | | | .025 (.635) | | | | | | |
| | Cap Code | WVDC | | | WVDC | | | WVDC | | | WVDC | | | | WVDC | | | | WVDC | | | | WVDC | | | | | | |
| | | 500 | 1k | 2k | 500 | 1k | 2k | 500 | 1k | 2k | 500 | 1k | 2k | 3k | 500 | 1k | 2k | 3k | 4k | 500 | 1k | 2k | 3k | 4k | 500 | 1k | 2k | 3k | 4k |
| 270pF | 271 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330 | 331 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 390 | 391 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 470 | 471 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 560 | 561 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 680 | 681 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 820 | 821 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000 | 102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1200 | 122 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1500 | 152 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1800 | 182 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200 | 222 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2700 | 272 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3300 | 332 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3900 | 392 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4700 | 472 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5600 | 562 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6800 | 682 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8200 | 822 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.01uF | 103 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.012 | 123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.015 | 153 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.018 | 183 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.022 | 223 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.027 | 273 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.033 | 333 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.039 | 393 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.047 | 473 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.056 | 563 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.068 | 683 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.082 | 823 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.10 | 104 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.12 | 124 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.15 | 154 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.18 | 184 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.22 | 224 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.27 | 274 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.33 | 334 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.39 | 394 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.47 | 474 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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

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