

MMP6P22K-F Datasheet

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|------------------------------|---|
| DiGi Electronics Part Number | MMP6P22K-F-DG |
| Manufacturer | Cornell Dubilier Electronics (CDE) |
| Manufacturer Product Number | MMP6P22K-F |
| Description | CAP FILM 0.22UF 10% 630VDC AXIAL |
| Detailed Description | 0.22 μ F Film Capacitor 250V 630V Polyester, Metallized Axial |

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Purchase and inquiry

Manufacturer Product Number:

MMP6P22K-F

Series:

MMP

Capacitance:

0.22 μ F

Voltage Rating - AC:

250V

Dielectric Material:

Polyester, Metallized

Mounting Type:

Through Hole

Size / Dimension:

0.591" W, 0.354" T x 1.063" L (15.00mm, 9.00mm x 27.00mm)

Termination:

PC Pins

Applications:

General Purpose

Features:

Long Life

Manufacturer:

Cornell Dubilier Electronics (CDE)

Product Status:

Active

Tolerance:

\pm 10%

Voltage Rating - DC:

630V

Operating Temperature:

-55°C ~ 125°C

Package / Case:

Axial

Height - Seated (Max):

-

Lead Spacing:

-

Ratings:

-

Environmental & Export classification

RoHS Status:

ROHS3 Compliant

REACH Status:

REACH Unaffected

HTSUS:

8532.25.0060

Moisture Sensitivity Level (MSL):

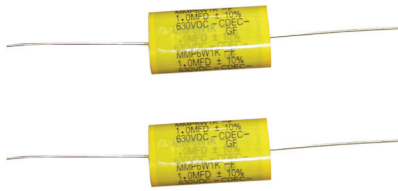
1 (Unlimited)

ECCN:

EAR99

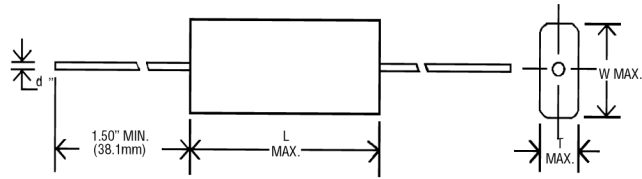
Type MMP Polyester Film Capacitors

Metallized Oval, Axial Leads



Low Profile Circuit Cards

Type MMP axial-leaded, metallized polyester capacitors are ideal when height is at a premium. Non-inductive winding and self-healing capabilities provide stability and long life.



Specifications

| | |
|--|---|
| Capacitance Range | .01 to 10 μ F |
| Capacitance Tolerance | \pm 10% (K) standard, \pm 5% (J) optional |
| Rated Voltage | 100 to 630 Vdc |
| Operating Temperature Range | -55 $^{\circ}$ C to 125 $^{\circ}$ C* *Full-rated voltage at 85 $^{\circ}$ C—Derate linearly to 50%-rated voltage at 125 $^{\circ}$ C |
| Dielectric Strength | 175% (1 minute) |
| Dissipation Factor | 1% Max. (25 $^{\circ}$ C, 1 kHz) |
| Insulation Resistance | 5,000 $M\Omega \times \mu$ F, 10,000 $M\Omega$ Min |
| Life Test | 1,000 Hours at 85 $^{\circ}$ C at 125% Rated Voltage |
| Regulatory Information | |

Ratings and Dimensions

| Cap. (μ F) | Catalog Number | T Inches (mm) | W Inches (mm) | L Inches (mm) | d Inches (mm) | dV/dt V/ μ s |
|--------------------|-------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| 100 Vdc | | | | | | |
| 0.15 | MMP1P15K-F | 0.197 (5.0) | 0.354 (9.0) | 0.670 (17.0) | 0.024 (0.6) | 20 |
| 0.22 | MMP1P22K-F | 0.236 (6.0) | 0.394 (10.0) | 0.670 (17.0) | 0.024 (0.6) | 20 |
| 0.33 | MMP1P33K-F | 0.236 (6.0) | 0.433 (11.0) | 0.670 (17.0) | 0.024 (0.6) | 20 |
| 0.47 | MMP1P47K-F | 0.236 (6.0) | 0.394 (10.0) | 0.906 (23.0) | 0.024 (0.6) | 12 |
| 0.68 | MMP1P68K-F | 0.256 (6.5) | 0.433 (11.0) | 0.906 (23.0) | 0.024 (0.6) | 12 |
| 1.00 | MMP1W1K-F | 0.276 (7.0) | 0.492 (12.5) | 0.906 (23.0) | 0.032 (0.8) | 12 |
| 1.50 | MMP1W1P5K-F | 0.276 (7.0) | 0.492 (12.5) | 1.063 (27.0) | 0.032 (0.8) | 8 |
| 2.20 | MMP1W2P2K-F | 0.354 (9.0) | 0.630 (16.0) | 1.063 (27.0) | 0.032 (0.8) | 8 |
| 3.30 | MMP1W3P3K-F | 0.433 (11.0) | 0.729 (18.5) | 1.063 (27.0) | 0.032 (0.8) | 8 |
| 4.70 | MMP1W4P7K-F | 0.354 (9.0) | 0.729 (18.5) | 1.378 (35.0) | 0.032 (0.8) | 6 |
| 6.80 | MMP1W6P8K-F | 0.512 (13.0) | 0.906 (23.0) | 1.378 (35.0) | 0.032 (0.8) | 6 |
| 10.00 | MMP1W10K-F | 0.630 (16.0) | 1.044 (26.5) | 1.378 (35.0) | 0.032 (0.8) | 6 |
| 250 Vdc | | | | | | |
| 0.10 | MMP2P1K-F | 0.217 (5.5) | 0.335 (8.5) | 0.670 (17.0) | 0.024 (0.6) | 28 |
| 0.15 | MMP2P15K-F | 0.217 (5.5) | 0.374 (9.5) | 0.670 (17.0) | 0.024 (0.6) | 28 |
| 0.22 | MMP2P22K-F | 0.197 (5.0) | 0.354 (9.0) | 0.906 (23.0) | 0.024 (0.6) | 17 |
| 0.33 | MMP2P33K-F | 0.217 (5.5) | 0.414 (10.5) | 0.906 (23.0) | 0.024 (0.6) | 17 |
| 0.47 | MMP2P47K-F | 0.276 (7.0) | 0.433 (11.0) | 0.985 (25.0) | 0.032 (0.8) | 12 |

Type MMP Polyester Film Capacitors

| Cap. (μ F) | Catalog Number | T | | W | | L | | d | | dV/dt V/ μ s |
|--------------------|-------------------|--------|--------|--------|--------|--------|--------|--------|-------|---------------------|
| | | Inches | (mm) | Inches | (mm) | Inches | (mm) | Inches | (mm) | |
| 250 Vdc | | | | | | | | | | |
| 0.680 | MMP2P68K-F | 0.256 | (6.5) | 0.492 | (12.5) | 1.103 | (28.0) | 0.032 | (0.8) | 10 |
| 1.000 | MMP2W1K-F | 0.295 | (7.5) | 0.532 | (13.5) | 1.103 | (28.0) | 0.032 | (0.8) | 10 |
| 1.500 | MMP2W1P5K-F | 0.335 | (8.5) | 0.591 | (15.0) | 1.260 | (32.0) | 0.032 | (0.8) | 10 |
| 2.200 | MMP2W2P2K-F | 0.394 | (10.0) | 0.709 | (18.0) | 1.378 | (35.0) | 0.032 | (0.8) | 8 |
| 3.300 | MMP2W3P3K-F | 0.492 | (12.5) | 0.866 | (22.0) | 1.457 | (37.0) | 0.032 | (0.8) | 8 |
| 4.700 | MMP2W4P7K-F | 0.630 | (16.0) | 0.985 | (25.0) | 1.694 | (43.0) | 0.032 | (0.8) | 6 |
| 6.800 | MMP2W6P8K-F | 0.748 | (19.0) | 1.063 | (27.0) | 1.575 | (40.0) | 0.032 | (0.8) | 8 |
| 10.000 | MMP2W10K-F | 0.630 | (16.0) | 1.063 | (27.0) | 1.930 | (49.0) | 0.032 | (0.8) | 6 |
| 400 Vdc | | | | | | | | | | |
| 0.022 | MMP4S22K-F | 0.197 | (5.0) | 0.354 | (9.0) | 0.670 | (17.0) | 0.024 | (0.6) | 45 |
| 0.033 | MMP4S33K-F | 0.236 | (6.0) | 0.394 | (10.0) | 0.670 | (17.0) | 0.024 | (0.6) | 45 |
| 0.047 | MMP4S47K-F | 0.236 | (6.0) | 0.394 | (10.0) | 0.670 | (17.0) | 0.024 | (0.6) | 45 |
| 0.068 | MMP4S68K-F | 0.256 | (6.5) | 0.394 | (10.0) | 0.670 | (17.0) | 0.024 | (0.6) | 45 |
| 0.100 | MMP4P1K-F | 0.256 | (6.5) | 0.433 | (11.0) | 0.748 | (19.0) | 0.024 | (0.6) | 27 |
| 0.150 | MMP4P15K-F | 0.256 | (6.5) | 0.453 | (11.5) | 0.866 | (22.0) | 0.024 | (0.6) | 27 |
| 0.220 | MMP4P22K-F | 0.295 | (7.5) | 0.532 | (13.5) | 0.985 | (25.0) | 0.024 | (0.6) | 15 |
| 0.330 | MMP4P33K-F | 0.315 | (8.0) | 0.571 | (14.5) | 1.063 | (27.0) | 0.032 | (0.8) | 15 |
| 0.470 | MMP4P47K-F | 0.354 | (9.0) | 0.610 | (15.5) | 1.063 | (27.0) | 0.032 | (0.8) | 15 |
| 0.680 | MMP4P68K-F | 0.354 | (9.0) | 0.630 | (16.0) | 1.378 | (35.0) | 0.032 | (0.8) | 14 |
| 1.000 | MMP4W1K-F | 0.414 | (10.5) | 0.729 | (18.5) | 1.378 | (35.0) | 0.032 | (0.8) | 14 |
| 1.500 | MMP4W1P5K-F | 0.492 | (12.5) | 0.827 | (21.0) | 1.378 | (35.0) | 0.032 | (0.8) | 14 |
| 2.200 | MMP4W2P2K-F | 0.551 | (14.0) | 0.906 | (23.0) | 1.575 | (40.0) | 0.032 | (0.8) | 12 |
| 3.300 | MMP4W3P3K-F | 0.670 | (17.0) | 1.024 | (26.0) | 1.575 | (40.0) | 0.032 | (0.8) | 12 |
| 4.700 | MMP4W4P7K-F | 0.827 | (21.0) | 1.182 | (30.0) | 1.575 | (40.0) | 0.032 | (0.8) | 12 |
| 630 Vdc | | | | | | | | | | |
| 0.010 | MMP6S1K-F | 0.197 | (5.0) | 0.354 | (9.0) | 0.670 | (17.0) | 0.024 | (0.6) | 72 |
| 0.015 | MMP6S15K-F | 0.236 | (6.0) | 0.394 | (10.0) | 0.670 | (17.0) | 0.024 | (0.6) | 72 |
| 0.022 | MMP6S22K-F | 0.236 | (6.0) | 0.394 | (10.0) | 0.670 | (17.0) | 0.024 | (0.6) | 72 |
| 0.033 | MMP6S33K-F | 0.236 | (6.0) | 0.394 | (10.0) | 0.670 | (17.0) | 0.024 | (0.6) | 72 |
| 0.047 | MMP6S47K-F | 0.236 | (6.0) | 0.394 | (10.0) | 0.906 | (23.0) | 0.024 | (0.6) | 43 |
| 0.068 | MMP6S68K-F | 0.276 | (7.0) | 0.433 | (11.0) | 0.906 | (23.0) | 0.024 | (0.6) | 43 |
| 0.100 | MMP6P1K-F | 0.315 | (8.0) | 0.512 | (13.0) | 0.906 | (23.0) | 0.032 | (0.8) | 43 |
| 0.150 | MMP6P15K-F | 0.394 | (10.0) | 0.591 | (15.0) | 0.906 | (23.0) | 0.032 | (0.8) | 43 |
| 0.220 | MMP6P22K-F | 0.354 | (9.0) | 0.591 | (15.0) | 1.063 | (27.0) | 0.032 | (0.8) | 28 |
| 0.330 | MMP6P33K-F | 0.394 | (10.0) | 0.670 | (17.0) | 1.063 | (27.0) | 0.032 | (0.8) | 28 |
| 0.470 | MMP6P47K-F | 0.473 | (12.0) | 0.689 | (17.5) | 1.378 | (35.0) | 0.032 | (0.8) | 21 |
| 0.680 | MMP6P68K-F | 0.433 | (11.0) | 0.748 | (19.0) | 1.378 | (35.0) | 0.032 | (0.8) | 21 |
| 1.000 | MMP6W1K-F | 0.512 | (13.0) | 0.866 | (22.0) | 1.536 | (39.0) | 0.032 | (0.8) | 21 |
| 1.500 | MMP6W1P5K-F | 0.670 | (17.0) | 1.063 | (27.0) | 1.536 | (39.0) | 0.032 | (0.8) | 21 |
| 2.200 | MMP6W2P2K-F | 0.748 | (19.0) | 1.103 | (28.0) | 1.930 | (49.0) | 0.032 | (0.8) | 12 |

Type MMP Polyester Film Capacitors

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