

Type DPM Polypropylene Film Capacitors

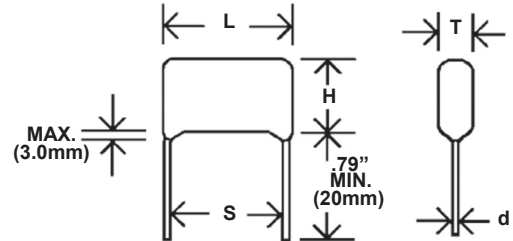
Metallized, Radial Leads

**Great for High Frequency
Switching Power Supplies**



Type DPM radial-lead, metallized polypropylene capacitors boast non-inductive windings with welded lead terminations which handle high continuous currents. The low ESR and low ESL are a glove fit for high frequency and switching power supply applications.

NOTE: Other capacitance values, sizes and performance specifications are available. Contact us.



Specifications

| | |
|--------------------------------|--|
| Capacitance Range | .01 to 6.8 μ F |
| Capacitance Tolerance | \pm 10% (K) standard, \pm 5% (J) optional |
| Rated Voltage | 250 to 630 Vdc (160 to 250 Vac, 60 Hz) |
| Operating Temperature Range | -55 $^{\circ}$ C to +105 $^{\circ}$ C (with 50% Vdc derating >85 $^{\circ}$ C) |
| Dielectric Strength | 175% (1 minute) |
| Dissipation Factor | 10% Max. (25 $^{\circ}$ C, 1kHz) |
| Insulation Resistance | 10,000 M Ω x μ F, 30,000 M Ω Min |
| Life Test | 1000 Hours at 85 $^{\circ}$ C at 125% Rated Voltage |
| RoHS Compliant | |

Ratings

| Cap. (μ F) | Catalog Part Number | T Max. Inches(mm) | H Max. Inches(mm) | L Max. Inches(mm) | S \pm .06 (\pm 1.5) Inches(mm) | d Inches(mm) | dV/dt V/ μ s |
|--------------------------|------------------------|----------------------|----------------------|----------------------|--|-----------------|---------------------|
| 250 Vdc (160 Vac) | | | | | | | |
| .010 | DPM2S1K-F | 0.276(7.0) | 0.433(11.0) | 0.512(13.0) | 0.394(10.0) | 0.024(0.6) | 34 |
| .015 | DPM2S15K-F | 0.276(7.0) | 0.433(11.0) | 0.512(13.0) | 0.394(10.0) | 0.024(0.6) | 34 |
| .022 | DPM2S22K-F | 0.276(7.0) | 0.433(11.0) | 0.512(13.0) | 0.394(10.0) | 0.024(0.6) | 34 |
| .033 | DPM2S33K-F | 0.276(7.0) | 0.433(11.0) | 0.512(13.0) | 0.394(10.0) | 0.024(0.6) | 34 |
| .047 | DPM2S47K-F | 0.276(7.0) | 0.433(11.0) | 0.512(13.0) | 0.394(10.0) | 0.024(0.6) | 34 |
| .068 | DPM2S68K-F | 0.276(7.0) | 0.433(11.0) | 0.512(13.0) | 0.394(10.0) | 0.024(0.6) | 34 |
| .10 | DPM2P1K-F | 0.315(8.0) | 0.433(11.0) | 0.512(13.0) | 0.394(10.0) | 0.024(0.6) | 34 |
| .15 | DPM2P15K-F | 0.315(8.0) | 0.512(13.0) | 0.709(18.0) | 0.591(15.0) | 0.032(0.8) | 23 |
| .22 | DPM2P22K-F | 0.315(8.0) | 0.512(13.0) | 0.709(18.0) | 0.591(15.0) | 0.032(0.8) | 23 |
| .33 | DPM2P33K-F | 0.354(9.0) | 0.591(15.0) | 0.709(18.0) | 0.591(15.0) | 0.032(0.8) | 23 |
| .47 | DPM2P47K-F | 0.394(10.0) | 0.630(16.0) | 1.024(26.0) | 0.886(22.5) | 0.032(0.8) | 19 |
| .68 | DPM2P68K-F | 0.394(10.0) | 0.630(16.0) | 1.024(26.0) | 0.886(22.5) | 0.032(0.8) | 19 |

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| Cap. (μ F) | Catalog Part Number | T Max. Inches(mm) | H Max. Inches(mm) | L Max. Inches(mm) | S \pm .06 (\pm 1.5) Inches(mm) | d Inches(mm) | dV/dt V/ μ s |
|--------------------------|------------------------|----------------------|----------------------|----------------------|--|-----------------|---------------------|
| 250 Vdc (160 Vac) | | | | | | | |
| 1.00 | DPM2W1K-F | 0.473(12.0) | 0.788(20.0) | 1.024(26.0) | 0.886(22.5) | 0.032(0.8) | 19 |
| 1.50 | DPM2W1P5K-F | 0.551(14.0) | 0.866(22.0) | 1.260(32.0) | 1.083(27.5) | 0.032(0.8) | 14 |
| 2.20 | DPM2W2P2K-F | 0.591(15.0) | 0.945(24.0) | 1.260(32.0) | 1.083(27.5) | 0.032(0.8) | 14 |
| 3.30 | DPM2W3P3K-F | 0.670(17.0) | 1.063(27.0) | 1.851(47.0) | 1.575(40.0) | 0.032(0.8) | 8 |
| 4.70 | DPM2W4P7K-F | 0.788(20.0) | 1.182(30.0) | 1.851(47.0) | 1.575(40.0) | 0.032(0.8) | 8 |
| 6.80 | DPM2W6P8K-F | 0.906(23.0) | 1.300(33.0) | 1.851(47.0) | 1.575(40.0) | 0.032(0.8) | 8 |
| 400 Vdc (220 Vac) | | | | | | | |
| .010 | DPM4S1K-F | 0.276(7.0) | 0.433(11.0) | 0.512(13.0) | 0.394(10.0) | 0.024(0.6) | 51 |
| .015 | DPM4S15K-F | 0.276(7.0) | 0.433(11.0) | 0.512(13.0) | 0.394(10.0) | 0.024(0.6) | 51 |
| .022 | DPM4S22K-F | 0.276(7.0) | 0.433(11.0) | 0.512(13.0) | 0.394(10.0) | 0.024(0.6) | 51 |
| .033 | DPM4S33K-F | 0.315(8.0) | 0.473(12.0) | 0.512(13.0) | 0.394(10.0) | 0.024(0.6) | 51 |
| .047 | DPM4S47K-F | 0.315(8.0) | 0.473(12.0) | 0.709(18.0) | 0.591(15.0) | 0.024(0.6) | 35 |
| .068 | DPM4S68K-F | 0.315(8.0) | 0.512(13.0) | 0.709(18.0) | 0.591(15.0) | 0.032(0.8) | 35 |
| .10 | DPM4P1K-F | 0.354(9.0) | 0.551(14.0) | 0.709(18.0) | 0.591(15.0) | 0.032(0.8) | 35 |
| .15 | DPM4P15K-F | 0.315(8.0) | 0.591(15.0) | 1.024(26.0) | 0.886(22.5) | 0.032(0.8) | 26 |
| .22 | DPM4P22K-F | 0.394(10.0) | 0.630(16.0) | 1.024(26.0) | 0.886(22.5) | 0.032(0.8) | 26 |
| .33 | DPM4P33K-F | 0.433(11.0) | 0.709(18.0) | 1.024(26.0) | 0.886(22.5) | 0.032(0.8) | 26 |
| .47 | DPM4P47K-F | 0.433(11.0) | 0.709(18.0) | 1.260(32.0) | 1.083(27.5) | 0.032(0.8) | 17 |
| .68 | DPM4P68K-F | 0.551(14.0) | 0.866(22.0) | 1.260(32.0) | 1.083(27.5) | 0.032(0.8) | 17 |
| 1.00 | DPM4W1K-F | 0.630(16.0) | 0.985(25.0) | 1.260(32.0) | 1.083(27.5) | 0.032(0.8) | 17 |
| 1.50 | DPM4W1P5K-F | 0.670(17.0) | 0.985(25.0) | 1.851(47.0) | 1.575(40.0) | 0.032(0.8) | 11 |
| 2.20 | DPM4W2P2K-F | 0.788(20.0) | 1.103(28.0) | 1.851(47.0) | 1.575(40.0) | 0.032(0.8) | 11 |
| 3.30 | DPM4W3P3K-F | 0.945(24.0) | 1.300(33.0) | 1.851(47.0) | 1.575(40.0) | 0.032(0.8) | 11 |
| 630 Vdc (250 Vac) | | | | | | | |
| .010 | DPM6S1K-F | 0.276(7.0) | 0.433(11.0) | 0.512(13.0) | 0.394(10.0) | 0.024(0.6) | 69 |
| .015 | DPM6S15K-F | 0.276(7.0) | 0.473(12.0) | 0.512(13.0) | 0.394(10.0) | 0.024(0.6) | 69 |
| .022 | DPM6S22K-F | 0.315(8.0) | 0.512(13.0) | 0.512(13.0) | 0.394(10.0) | 0.024(0.6) | 69 |
| .033 | DPM6S33K-F | 0.315(8.0) | 0.512(13.0) | 0.709(18.0) | 0.591(15.0) | 0.032(0.8) | 48 |
| .047 | DPM6S47K-F | 0.354(9.0) | 0.591(15.0) | 0.709(18.0) | 0.591(15.0) | 0.032(0.8) | 48 |
| .068 | DPM6S68K-F | 0.394(10.0) | 0.630(16.0) | 0.709(18.0) | 0.591(15.0) | 0.032(0.8) | 48 |
| .10 | DPM6P1K-F | 0.394(10.0) | 0.610(15.5) | 1.024(26.0) | 0.886(22.5) | 0.032(0.8) | 36 |
| .15 | DPM6P15K-F | 0.473(12.0) | 0.709(18.0) | 1.024(26.0) | 0.886(22.5) | 0.032(0.8) | 36 |
| .22 | DPM6P22K-F | 0.473(12.0) | 0.866(22.0) | 1.260(32.0) | 1.083(27.5) | 0.032(0.8) | 33 |
| .33 | DPM6P33K-F | 0.512(13.0) | 0.866(22.0) | 1.260(32.0) | 1.083(27.5) | 0.032(0.8) | 33 |
| .47 | DPM6P47K-F | 0.591(15.0) | 0.965(24.5) | 1.260(32.0) | 1.083(27.5) | 0.032(0.8) | 33 |
| .68 | DPM6P68K-F | 0.610(15.5) | 1.083(27.5) | 1.260(32.0) | 1.083(27.5) | 0.032(0.8) | 33 |
| 1.00 | DPM6W1K-F | 0.748(19.0) | 1.182(30.0) | 1.851(47.0) | 1.575(40.0) | 0.032(0.8) | 22 |

Type DPM Polypropylene Film Capacitors

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