



**THE DATASHEET OF
DPM6P68K-F**



Type DPM Polypropylene Film Capacitors

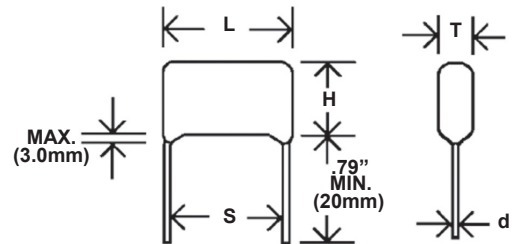
Metallized, Radial Leads

**Great for High Frequency
Switching Power Supplies**



Type DPM radial-leaded, 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

Type DPM Polypropylene Film Capacitors

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

Notice and Disclaimer: All product drawings, descriptions, specifications, statements, information and data (collectively, the "Information") in this datasheet or other publication are subject to change. The customer is responsible for checking, confirming and verifying the extent to which the Information contained in this datasheet or other publication is applicable to an order at the time the order is placed. All Information given herein is believed to be accurate and reliable, but it is presented without any guarantee, warranty, representation or responsibility of any kind, expressed or implied. Statements of suitability for certain applications are based on the knowledge that the Cornell Dubilier company providing such statements ("Cornell Dubilier") has of operating conditions that such Cornell Dubilier company regards as typical for such applications, but are not intended to constitute any guarantee, warranty or representation regarding any such matter – and Cornell Dubilier specifically and expressly disclaims any guarantee, warranty or representation concerning the suitability for a specific customer application, use, storage, transportation, or operating environment. The Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by Cornell Dubilier with reference to the use of any Cornell Dubilier products is given gratis (unless otherwise specified by Cornell Dubilier), and Cornell Dubilier assumes no obligation or liability for the advice given or results obtained. Although Cornell Dubilier strives to apply the most stringent quality and safety standards regarding the design and manufacturing of its products, in light of the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies or other appropriate protective measures) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage. Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated in such warnings, cautions and notes, or that other safety measures may not be required.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View DPM6P68K-F on WIN SOURCE](#)
-  [Cornell Dubilier Electronics \(CDE\) Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management