

Type DMMA Polyester Film Capacitors

Metallized Radial Leads



AC Applications Low ESR

Type DMMA radial-leaded, metallized polyester capacitors are designed for AC rated applications. Self healing, low DF, and corona-free at high AC voltages, **Type DMMA** is the preferred value for medium current, AC applications.

Specifications

Voltage Range: 125-680 Vac, 60 Hz (250-1000 Vdc)

Capacitance Range: .01-5 μF

Capacitance Tolerance: $\pm 10\%$ (K) standard
 $\pm 5\%$ (J) optional

Operating Temperature Range: -55 °C to 125 °C*

*Full-rated voltage at 85 °C—Derate linearly to 50%-rated voltage at 125 °C

Dielectric Strength: 160% (1 minute)

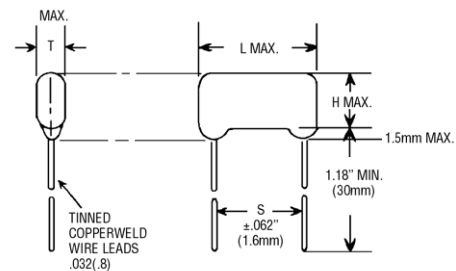
Dissipation Factor: .60% Max. (25 °C, 1 kHz)

Insulation Resistance: 10,000 M Ω x μF
30,000 M Ω Min.

Life Test: 500 Hours at 85 °C at 125%
Rated Voltage

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Pulse Capability					
Rated Volts	Body Length				
	0.625	.750-.937	1.062-1.125	1.250-1.500	≥ 1.687
dV/dt – volts per microsecond, maximum					
125	62	34	16	12	
240		46	22	16	10
360		111	72	58	29
480		221	122	85	47



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

Ratings

RoHS Compliant

Cap.	Catalog	T	H	L	S
(μF)	Part Number	Maximum In. (mm)	Maximum In. (mm)	Maximum In. (mm)	$\pm .062$ (1.6) In. (mm)
125 Vac (250 Vdc)					
0.047	DMMAAS47K-F	.325 (8.3)	.450 (11.4)	.625 (15.9)	.375 (9.5)
0.068	DMMAAS68K-F	.325 (8.3)	.450 (11.4)	.750 (19.0)	.500 (12.7)
0.100	DMMAAP1K -F	.325 (8.3)	.480 (12.2)	.750 (19.0)	.500 (12.7)
0.150	DMMAAP15K -F	.375 (9.5)	.530 (13.5)	.750 (19.0)	.500 (12.7)
0.220	DMMAAP22K-F	.420 (10.7)	.590 (15.0)	.750 (19.0)	.500 (12.7)
0.330	DMMAAP33K-F	.485 (12.3)	.650 (16.5)	.750 (19.0)	.500 (12.7)
0.470	DMMAAP47K-F	.440 (11.2)	.610 (15.5)	1.062 (27.0)	.812 (20.6)
0.680	DMMAAP68K-F	.480 (12.2)	.670 (17.0)	1.062 (27.0)	.812 (20.6)
1.000	DMMAAW1K-F	.545 (13.8)	.750 (19.0)	1.062 (27.0)	.812 (20.6)
1.500	DMMAAW1P5K-F	.575 (14.6)	.800 (20.3)	1.250 (31.7)	1.000 (25.4)
2.000	DMMAAW2K-F	.655 (16.6)	.860 (21.8)	1.250 (31.7)	1.000 (25.4)
3.000	DMMAAW3K-F	.685 (17.4)	.905 (23.0)	1.500 (38.1)	1.250 (31.7)
4.000	DMMAAW4K-F	.710 (18.0)	.925 (23.5)	1.500 (38.1)	1.250 (31.7)
5.000	DMMAAW5K-F	.775 (19.7)	1.050 (26.7)	1.500 (38.1)	1.250 (31.7)

Cap.	Catalog	T	H	L	S
(μF)	Part Number	Maximum In. (mm)	Maximum In. (mm)	Maximum In. (mm)	$\pm .062$ (1.6) In. (mm)
240 Vac (400 Vdc)					
0.022	DMMABS22K-F	.325 (8.3)	.455 (11.6)	0.750 (19)	.500 (12.7)
0.033	DMMABS33K-F	.325 (8.3)	.455 (11.6)	0.750 (19)	.500 (12.7)
0.047	DMMABS47K-F	.325 (8.3)	.47 (11.9)	0.750 (19)	.500 (12.7)
0.068	DMMABS68K-F	.325 (8.3)	.515 (13.1)	0.750 (19)	.500 (12.7)
0.100	DMMABP1K-F	.325 (8.3)	.485 (12.3)	1.062 (27)	.812 (20.6)
0.150	DMMABP15K-F	.355 (9.0)	.515 (13.1)	1.062 (27)	.812 (20.6)
0.220	DMMABP22K-F	.405 (10.3)	.565 (14.3)	1.062 (27)	.812 (20.6)
0.330	DMMABP33K-F	.450 (11.4)	.640 (16.3)	1.062 (27)	.812 (20.6)
0.470	DMMABP47K-F	.465 (11.8)	.655 (16.6)	1.250 (31.7)	1.000 (25.4)
0.680	DMMABP68K-F	.530 (13.5)	.735 (18.7)	1.250 (31.7)	1.000 (25.4)
1.000	DMMABW1K-F	.590 (15.0)	.845 (21.5)	1.250 (31.7)	1.000 (25.4)
1.500	DMMABW1P5K-F	.640 (16.3)	.875 (22.2)	1.500 (38.1)	1.250 (31.7)
2.000	DMMABW2K-F	.720 (18.3)	.955 (24.2)	1.500 (38.1)	1.250 (31.7)
3.000	DMMABW3K-F	.780 (19.8)	1.020 (25.9)	1.500 (38.1)	1.250 (31.7)

Type DMMA Polyester Film Capacitors

RoHS Compliant

Cap. (μ F)	Catalog Part Number	T Maximum In. (mm)	H Maximum In. (mm)	L Maximum In. (mm)	S \pm .062 (1.6) In. (mm)
360 Vac (800 Vdc)					
0.015	DMMACS15K-F	.295 (7.5)	.460 (11.7)	.937 (23.8)	.687 (17.4)
0.022	DMMACS22K-F	.343 (8.7)	.500 (12.7)	.937 (23.8)	.687 (17.4)
0.033	DMMACS33K-F	.375 (9.5)	.530 (13.5)	.937 (23.8)	.687 (17.4)
0.047	DMMACS47K-F	.405 (10.3)	.565 (14.3)	.937 (23.8)	.687 (17.4)
0.068	DMMACS68K-F	.465 (11.8)	.640 (16.3)	.937 (23.8)	.687 (17.4)
0.100	DMMACP1K-F	.450 (11.4)	.610 (15.5)	1.125 (28.6)	.875 (22.2)
0.150	DMMACP15K-F	.515 (13.1)	.690 (17.5)	1.125 (28.6)	.875 (22.2)
0.220	DMMACP22K-F	.590 (15.0)	.765 (19.4)	1.125 (28.6)	.875 (22.2)
0.330	DMMACP33K-F	.685 (17.4)	.890 (22.6)	1.125 (28.6)	.875 (22.2)
0.470	DMMACP47K-F	.685 (17.4)	.890 (22.6)	1.312 (33.3)	1.000 (25.4)
0.680	DMMACP68K-F	.810 (20.6)	1.015 (25.8)	1.312 (33.3)	1.000 (25.4)
1.000	DMMACW1K-F	.860 (21.8)	1.070 (27.2)	1.500 (38.1)	1.250 (31.7)
1.500	DMMACW1P5K-F	.860 (21.8)	1.140 (28.9)	1.937 (49.2)	1.656 (42.0)
2.000	DMMACW2K-F	.965 (24.5)	1.265 (32.1)	1.937 (49.2)	1.656 (42.0)

Cap. (μ F)	Catalog Part Number	T Maximum In. (mm)	H Maximum In. (mm)	L Maximum In. (mm)	S \pm .062 (1.6) In. (mm)
480 Vac (1,000 Vdc)					
0.010	DMMADS1K-F	.325 (8.3)	.485 (12.3)	.937 (23.8)	.687 (17.4)
0.015	DMMADS15K-F	.375 (9.5)	.530 (13.5)	.937 (23.8)	.687 (17.4)
0.022	DMMADS22K-F	.440 (11.2)	.595 (15.1)	.937 (23.8)	.687 (17.4)
0.033	DMMADS33K-F	.480 (12.2)	.655 (16.6)	.937 (23.8)	.687 (17.4)
0.047	DMMADS47K-F	.440 (11.2)	.610 (15.5)	1.125 (28.6)	.875 (22.2)
0.068	DMMADS68K-F	.500 (12.7)	.675 (17.1)	1.125 (28.6)	.875 (22.2)
0.100	DMMADP1K-F	.580 (14.7)	.765 (19.4)	1.125 (28.6)	.875 (22.2)
0.150	DMMADP15K-F	.670 (17.0)	.875 (22.2)	1.125 (28.6)	.875 (22.2)
0.220	DMMADP22K-F	.685 (17.4)	.875 (22.2)	1.312 (33.3)	1.000 (25.4)
0.330	DMMADP33K-F	.700 (17.8)	.905 (23.0)	1.312 (33.3)	1.000 (25.4)
0.470	DMMADP47K-F	.810 (20.6)	1.030 (26.2)	1.500 (38.1)	1.250 (31.7)
0.680	DMMADP68K-F	.875 (22.2)	1.110 (28.2)	1.687 (42.8)	1.468 (37.3)
1.000	DMMADW1K-F	.950 (24.1)	1.220 (31.0)	1.937 (49.2)	1.656 (42.0)
1.500	DMMADW1P5K-F	1.062 (27.0)	1.345 (34.2)	2.125 (54.0)	1.875 (47.6)

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