

# Type DPP, Polypropylene Film Capacitors

Film/Foil  
Radial Leads

High Frequency  
Precise Values

Film  
Capacitors



**Type DPP** radial-leaded, polypropylene film/foil capacitors are non-inductively wound. Very low dissipation factor and high insulation resistance contribute to excellent performance and long-term stability characteristics. Low ESR, DF and its inherent stability make **Type DPP** an ideal choice for tight tolerance, pulse and high-frequency applications.

## Specifications

**Voltage Range:** 100-630 Vdc (70-250 Vac)

**Capacitance Range:** .001-.47  $\mu$ F

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

**Operating Temperature Range:** -55°C to 105°C\*

\*Full-rated voltage at 85°C—Derate linearly to 50%-rated voltage at 105°C

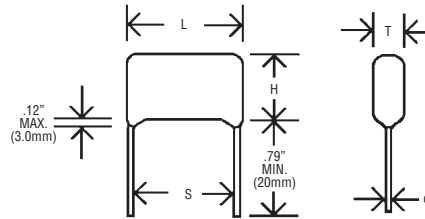
**Dielectric Strength:** 200% (1 minute)

**Dissipation Factor:** .10% Max. (25°C, 1kHz)

**Insulation Resistance:** 50,000 M $\Omega$  x  $\mu$ F  
100,000 M $\Omega$  Min.

**Life Test:** 1,000 Hours at 85°C at 125% Rated Voltage

Pulse Capability			
Rated Volts	Body Length		
	.630	.790-.940	$\geq$ 1.020
	dV/dt—volts per microsecond, maximum		
100	4200	4000	1900
250	6900	4100	2400
400	19000	10000	3200
630	60000	20000	6700



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

## Ratings and Dimensions

Cap. $\mu$ F	Catalog Number	T Max. Inches (mm)	H Max. Inches (mm)	L Max. Inches (mm)	S $\pm$ .06 ( $\pm$ 1.5) Inches (mm)	d $\pm$ .05 Inches (mm)
<b>100 Vdc (70 Vac)</b>						
.033	DPP1S33K	.315 (8.0)	.532 (13.5)	.768 (19.5)	.591 (15.0)	.024 (.6)
.047	DPP1S47K	.335 (8.5)	.610 (15.5)	.768 (19.5)	.591 (15.0)	.024 (.6)
.068	DPP1S68K	.374 (9.5)	.650 (16.5)	.788 (20.0)	.591 (15.0)	.024 (.6)
.100	DPP1P1K	.394 (10.0)	.670 (17.0)	1.024 (26.0)	.788 (20.0)	.024 (.6)
.150	DPP1P15K	.433 (11.0)	.748 (19.0)	1.024 (26.0)	.788 (20.0)	.032 (.8)
.220	DPP1P22K	.512 (13.0)	.748 (19.0)	1.024 (26.0)	.788 (20.0)	.032 (.8)
.330	DPP1P33K	.551 (14.0)	.827 (21.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
.470	DPP1P47K	.630 (16.0)	.945 (24.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
<b>250 Vdc (140 Vac)</b>						
.010	DPP2S1K	.276 (7.0)	.473 (12.0)	.591 (15.0)	.394 (10.0)	.024 (.6)
.015	DPP2S15K	.295 (7.5)	.473 (12.0)	.591 (15.0)	.394 (10.0)	.024 (.6)
.022	DPP2S22K	.315 (8.0)	.512 (13.0)	.591 (15.0)	.394 (10.0)	.024 (.6)
.033	DPP2S33K	.335 (8.5)	.551 (14.0)	.788 (20.0)	.591 (15.0)	.024 (.6)
.047	DPP2S47K	.354 (9.0)	.630 (16.0)	.788 (20.0)	.591 (15.0)	.024 (.6)
.068	DPP2S68K	.433 (11.0)	.630 (16.0)	.788 (20.0)	.591 (15.0)	.024 (.6)
.100	DPP2P1K	.394 (10.0)	.709 (18.0)	1.024 (26.0)	.788 (20.0)	.032 (.8)
.150	DPP2P15K	.473 (12.0)	.866 (22.0)	1.024 (26.0)	.788 (20.0)	.032 (.8)
.220	DPP2P22K	.551 (14.0)	.945 (24.0)	1.024 (26.0)	.788 (20.0)	.032 (.8)
.330	DPP2P33K	.591 (15.0)	.985 (25.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
.470	DPP2P47K	.630 (16.0)	1.063 (27.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)

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# Type DPP, Polypropylene Film Capacitors

## Ratings and Dimensions

Cap. $\mu\text{F}$	Catalog Number	T Max. Inches (mm)	H Max. Inches (mm)	L Max. Inches (mm)	S $\pm .06$ ( $\pm 1.5$ ) Inches (mm)	d $\pm .05$ Inches (mm)
<b>400 Vdc (250 Vac)</b>						
.0100	DPP4S1K	.335 (8.5)	.551 (14.0)	.591 (15.0)	.394 (10.0)	.024 (.6)
.0150	DPP4S15K	.354 (9.0)	.591 (15.0)	.591 (15.0)	.394 (10.0)	.024 (.6)
.0220	DPP4S22K	.394 (10.0)	.670 (17.0)	.768 (19.5)	.591 (15.0)	.024 (.6)
.0330	DPP4S33K	.394 (10.0)	.670 (17.0)	.768 (19.5)	.591 (15.0)	.024 (.6)
.0470	DPP4S47K	.354 (9.0)	.630 (16.0)	1.024 (26.0)	.788 (20.0)	.032 (.8)
.0680	DPP4S68K	.433 (11.0)	.709 (18.0)	1.024 (26.0)	.788 (20.0)	.032 (.8)
.1000	DPP4P1K	.473 (12.0)	.788 (20.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
.1500	DPP4P15K	.473 (12.0)	.906 (23.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
<b>630 Vdc (250 Vac)</b>						
.0010	DPP6D1K	.256 (6.5)	.492 (12.5)	.591 (15.0)	.394 (10.0)	.024 (.6)
.0015	DPP6D15K	.276 (7.0)	.492 (12.5)	.591 (15.0)	.394 (10.0)	.024 (.6)
.0022	DPP6D22K	.276 (7.0)	.492 (12.5)	.591 (15.0)	.394 (10.0)	.024 (.6)
.0033	DPP6D33K	.295 (7.5)	.473 (12.0)	.768 (19.5)	.591 (15.0)	.024 (.6)
.0047	DPP6D47K	.315 (8.0)	.492 (12.5)	.768 (19.5)	.591 (15.0)	.024 (.6)
.0068	DPP6D68K	.354 (9.0)	.551 (14.0)	.768 (19.5)	.591 (15.0)	.024 (.6)
.0100	DPP6S1K	.354 (9.0)	.551 (14.0)	1.024 (26.0)	.788 (20.0)	.024 (.6)
.0150	DPP6S15K	.394 (10.0)	.630 (16.0)	1.024 (26.0)	.788 (20.0)	.024 (.6)
.0220	DPP6S22K	.433 (11.0)	.670 (17.0)	1.024 (26.0)	.788 (20.0)	.024 (.6)
.0330	DPP6S33K	.433 (11.0)	.670 (17.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
.0470	DPP6S47K	.492 (12.5)	.748 (19.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
.0680	DPP6S68K	.551 (14.0)	.866 (22.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
.1000	DPP6P1K	.512 (13.0)	.866 (22.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)

Film  
Capacitors