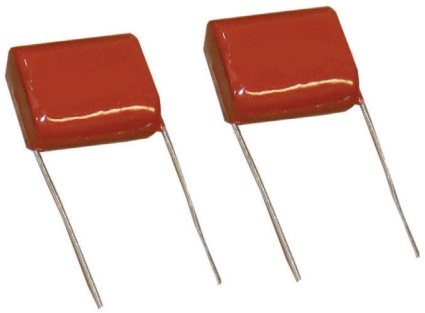
Type DPP Polypropylene Radial Leaded Film Capacitors



High Frequency **Film/Foil**
Precise Values **Radial Leaded**

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

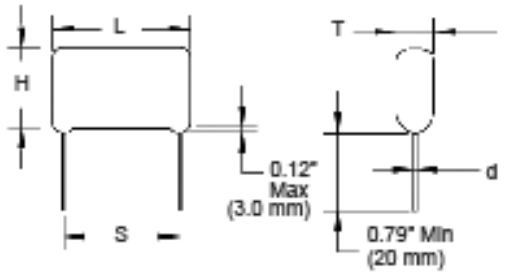
Capacitance Range: 0.001 to 0.47 µF
Voltage Range: 100 to 630 Vdc
(70 to 250 Vac, 60 Hz)
Capacitance Tolerance: ±10% standard,
±5% optional
Operating Temperature Range: –55 ºC to +105 ºC*
*Full rated voltage at 85 ºC, derated linearly to 50% rated voltage at +105 ºC

Dielectric Strength: 200% (1 minute)
Dissipation Factor: 0.10% Max. (+25 ºC, 1 kHz)
Insulation Resistance: 50,000 MΩ·µF,
100,000 MΩ Min.
Life Test: 1000 hr at 85 ºC at 125% rated voltage

RoHS Compliant

Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

Pulse Capability			
	Body Length		
Rated Volts	0.630	.790 - .940	≥1.02
	dV/dt — volts per microsecond, max.		
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. Please contact CDE.

Ratings

Cap (µF)	Catalog Part Number	T Max. Inches (mm)	H Max. Inches (mm)	L Max. Inches (mm)	S ±0.06 (±1.5) Inches (mm)	d ±0.05 (1.27) Inches (mm)
100 Vdc (70 Vac 60 Hz)						
.033	DPP1S33K-F	0.315 (8.0)	0.532 (13.5)	0.768 (19.5)	0.591 (15.0)	.024 (.6)
.047	DPP1S47K-F	0.335 (8.5)	0.610 (15.5)	0.768 (19.5)	0.591 (15.0)	.024 (.6)
.068	DPP1S68K-F	0.374 (9.5)	0.650 (16.5)	0.788 (20.0)	0.591 (15.0)	.024 (.6)
.10	DPP1P1K-F	0.394 (10.4)	0.670 (17.0)	1.024 (26.0)	0.788 (20.0)	.024 (.6)
.15	DPP1P15K-F	0.433 (11.0)	0.748 (19.0)	1.024 (26.0)	0.788 (20.0)	.032 (.8)
.22	DPP1P22K-F	0.512 (13.0)	0.748 (19.0)	1.024 (26.0)	0.788 (20.0)	.032 (.8)
.33	DPP1P33K-F	0.551 (14.0)	0.827 (21.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
.47	DPP1P47K-F	0.630 (16.0)	0.945 (24.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
250 Vdc (140 Vac 60 Hz)						
.010	DPP2S1K-F	0.276 (7.0)	0.473 (12.0)	0.591 (15.0)	0.394 (10.0)	0.024 (.6)
.015	DPP2S15K-F	0.295 (7.5)	0.473 (12.0)	0.591 (15.0)	0.394 (10.0)	0.024 (.6)
.022	DPP2S22K-F	0.315 (8.0)	0.512 (13.0)	0.591 (15.0)	0.394 (10.0)	0.024 (.6)

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Cap (µF)	Catalog Part Number	T Max. Inches (mm)	H Max. Inches (mm)	L Max. Inches (mm)	S ±0.06 (±1.5) Inches (mm)	d ±0.05 (1.27) Inches (mm)
			250 Vdc (140 Vac 60 Hz)			
.033	DPP2S33K-F	0.335 (8.5)	0.551 (14.0)	0.788 (20.0)	0.591 (15.0)	0.024 (.6)
.047	DPP2S47K-F	0.354 (9.0)	0.630 (16.0)	0.788 (20.0)	0.591 (15.0)	0.024 (.6)
.068	DPP2S68K-F	0.433 (11.0)	0.630 (16.0)	0.788 (20.0)	0.591 (15.0)	0.024 (.6)
.10	DPP2P1K-F	0.394 (10.0)	0.709 (18.0)	1.024 (26.0)	0.788 (20.0)	0.032 (.8)
.15	DPP2P15K-F	0.473 (12.0)	0.866 (22.0)	1.024 (26.0)	0.788 (20.0)	0.032 (.8)
.22	DPP2P22K-F	0.551 (14.0)	0.945 (24.0)	1.024 (26.0)	0.788 (20.0)	0.032 (.8)
.33	DPP2P33K-F	0.591 (15.0)	0.985 (25.0)	1.260 (32.0)	1.083 (27.5)	0.032 (.8)
.47	DPP2P47K-F	0.680 (16.0)	1.063 (27.0)	1.260 (32.0)	1.083 (27.5)	0.032 (.8)
			400 Vdc (250 Vac 60 Hz)			
.010	DPP4S1K-F	0.335 (8.5)	0.551 (14.0)	0.591 (15.0)	0.394 (10.0)	0.024 (.6)
.015	DPP4S15K-F	0.354 (9.0)	0.591 (15.0)	0.591 (15.0)	0.394 (10.0)	0.024 (.6)
.022	DPP4S22K-F	0.394 (10.0)	0.670 (17.0)	0.768 (19.5)	0.591 (15.0)	0.024 (.6)
.033	DPP4S33K-F	0.394 (10.0)	0.670 (17.0)	0.768 (19.5)	0.591 (15.0)	0.024 (.6)
.047	DPP4S47K-F	0.354 (9.0)	0.630 (16.0)	1.024 (26.0)	0.788 (20.0)	0.032 (.8)
.068	DPP4S68K-F	0.433 (11.0)	0.709 (18.0)	1.024 (26.0)	0.788 (20.0)	0.032 (.8)
.10	DPP4P1K-F	0.473 (12.0)	0.788 (20.0)	1.260 (32.0)	1.083 (27.5)	0.032 (.8)
.15	DPP4P15K-F	0.473 (12.0)	0.906 (23.0)	1.260 (32.0)	1.083 (27.5)	0.032 (.8)
			630 Vdc (250 Vac 60 Hz)			
.0010	DPP6 D1K-F	0.256 (6.5)	0.492 (12.5)	0.591 (15.0)	0.394 (10.0)	.024 (.6)
.0015	DPP6 D15K-F	0.276 (7.0)	0.492 (12.5)	0.591 (15.0)	0.394 (10.0)	.024 (.6)
.0022	DPP6 D22K-F	0.276 (7.0)	0.492 (12.5)	0.591 (15.0)	0.394 (10.0)	.024 (.6)
.0033	DPP6 D33K-F	0.295 (7.5)	0.473 (12.0)	0.768 (19.5)	0.591 (15.0)	.024 (.6)
.0047	DPP6 D47K-F	0.315 (8.0)	0.492 (12.5)	0.768 (19.5)	0.591 (15.0)	.024 (.6)
.0068	DPP6 D68K-F	0.354 (9.0)	0.551 (14.0)	0.768 (19.5)	0.591 (15.0)	.024 (.6)
.010	DPP6S1K-F	0.354 (9.0)	0.551 (14.0)	1.024 (26.0)	0.788 (20.0)	.024 (.6)
.015	DPP6S15K-F	0.394 (10.0)	0.630 (16.0)	1.024 (26.0)	0.788 (20.0)	.024 (.6)
.022	DPP6S22K-F	0.433 (11.0)	0.670 (17.0)	1.024 (26.0)	0.788 (20.0)	.024 (.6)
.033	DPP6S33K-F	0.433 (11.0)	0.670 (17.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
.047	DPP6S47K-F	0.492 (12.5)	0.748 (19.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
.068	DPP6S68K-F	0.551 (14.0)	0.866 (22.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)
.100	DPP6P1K-F	0.512 (13.0)	0.866 (22.0)	1.260 (32.0)	1.083 (27.5)	.032 (.8)