Deki only better

AC Pulse & Metallized Polypropylene Film Capacitors

Series Code 63, 68

PP/MPP

Main Application
SMPS, electronic ballast, resonant capacitor, snubber application with high voltage and high current.

Construction
Series constructed, impregnated polypropylene film, aluminium foil and metallized polypropylene film as internal electrodes coated by hard, water repellent, solvent resistant epoxy resin or enclosed in a flame retardant box.

Climatic Category
40/100/56

Rated and Maximum Operating Temperature
85°C and 100°C

Applicable Specification
IEC 384-16

Capacitance Value
0.0068µF-0.47µF

Capacitance Tolerance
±5%, ±10%

Insulation Resistance

Minimum Insulation Resistance R_{IS}	V_R	$C_R \leq 0.33$ µF	$C_R > 0.33$ µF
(or) time constant $T = C_R \times R_{IS}$	≤500 V DC	100 GΩ	30000s

500VDC for $V_R > 500$V
(temp 20° C, relative humidity ≤ 70%)

Rated Voltage
1000VDC-2000VDC

Voltage Proof
Between terminals 1.6 times of rated voltage for 2sec.

Tan δ

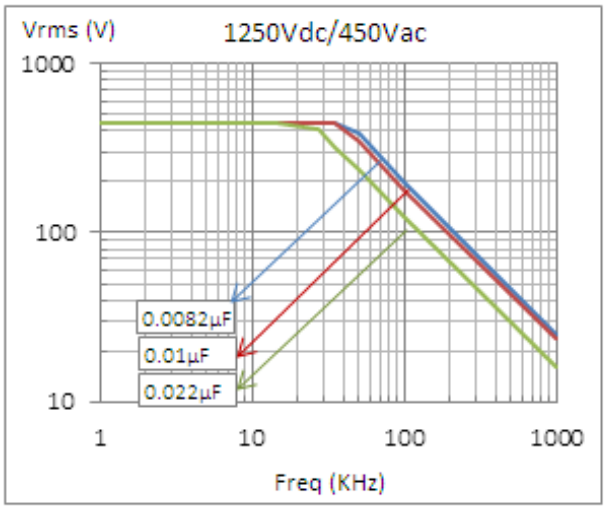
Frequency (kHz)	$C_R < 0.1$µF	$0.1 < C_R \leq 1.0$µF
At 1	0.05%	0.08%
At 10	0.1%	0.1%
At 100	0.3%	0.5%

Life Test Conditions
(Loading at elevated temperature)
Loaded at 1.25 times the rate DC voltage at 85° C for 1000 hours.

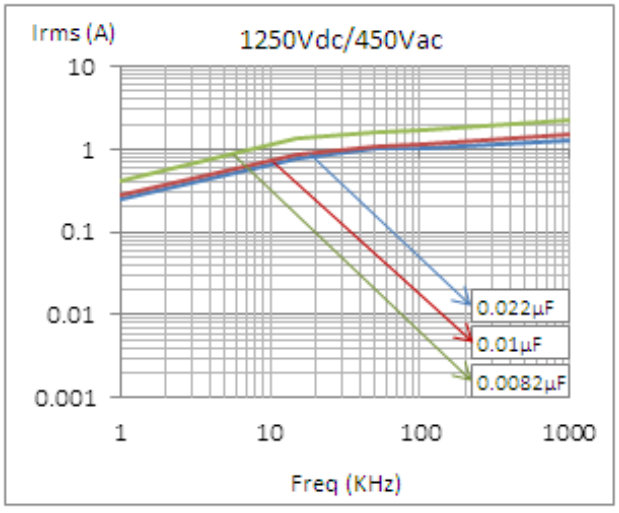
After the test
Δc/c: ≤ 5% of initial value.
Change in Tan δ: 0.003
Insulation resistance: ≥ 50% of the value mentioned in IR chart.

Derating graph for AC Pulse & Metallized Polypropylene Film Capacitors PP/MPP

Max. Voltage (Vrms) vs. Frequency
(Sinusoidal Waveform at T ≤ 85° C)



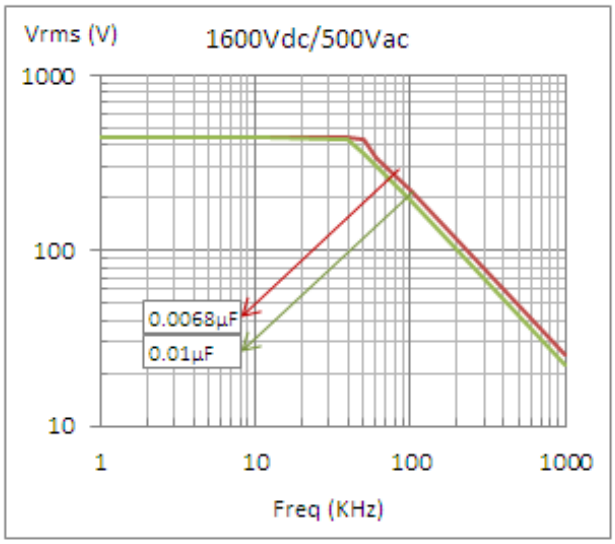
Max. Current (Irms) vs. Frequency
(Sinusoidal Waveform at T ≤ 85° C)



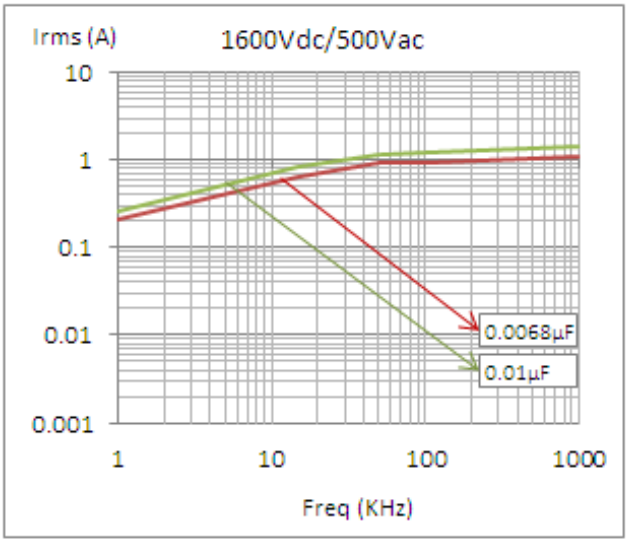
AC Pulse & Metallized Polypropylene Film Capacitors

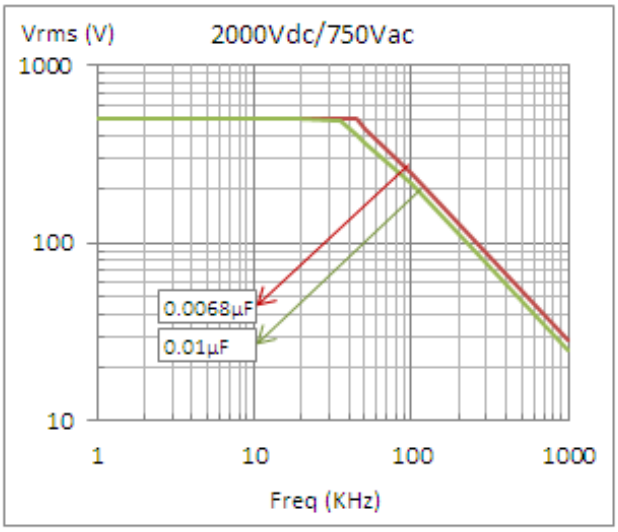
PP/MPP • Series Code 63, 68

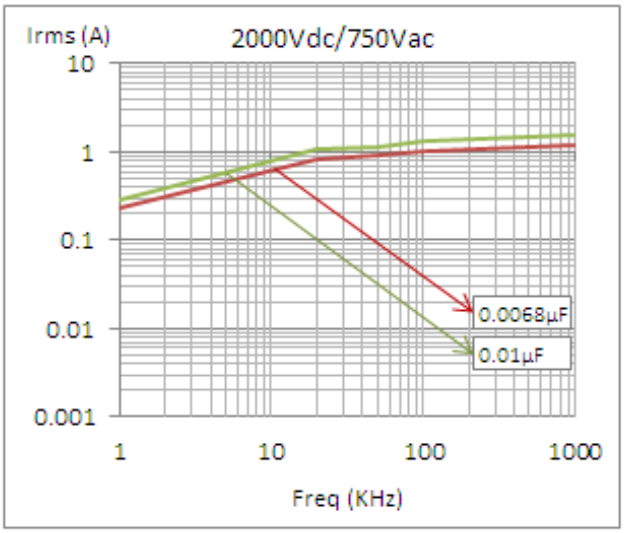
Max. Voltage (Vrms) vs. Frequency
(Sinusoidal Waveform at T ≤ 85° C)



Max. Current (Irms) vs. Frequency
(Sinusoidal Waveform at T ≤ 85° C)







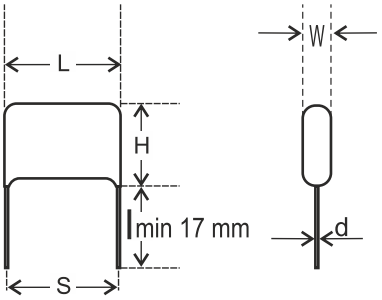
AC Pulse & Metallized Polypropylene Film Capacitors

PP/MPP • Series Code 63, 68

Deki only better

Ordering code and packaging unit: AC Pulse & Metallized Polypropylene Film Capacitors (PP/MPP) Dip Type • Series Code 63

Rated Voltage	Rated Capacitance µF	Dimensions (mm) W ±0.75	H ±0.75	L ±0.75	d ±0.05	S ±0.75	Ordering code	Packing units Bulk
1000VDC	0.0068	6.0	10.5	19.0	0.8	15.0	63 682 +3A*^	500
400VAC	0.01	6.5	11.0	19.0	0.8	15.0	63 103 +3A*^	500
	0.1	15.0	21.5	19.0	0.8	15.0	63 104 +3A*^	500
	0.018	7.0	12.0	28.0	0.8	22.5	63 183 +3A*^	250
	0.068	10.0	15.0	28.0	0.8	22.5	63 683 +3A*^	250
	0.1	11.0	18.0	28.0	0.8	22.5	63 104 +3A*^	250
	0.022	7.5	12.5	31.0	0.8	27.5	63 223 +3A*^	250
	0.1	10.5	16.0	31.0	0.8	27.5	63 104 +3A*^	250
	0.47	19.5	29.5	31.0	0.8	27.5	63 474 +3A*^	250
1250VDC	0.0068	6.5	11.0	19.0	0.8	15.0	63 682 +3B*^	500
450VAC	0.01	6.5	11.0	19.0	0.8	15.0	63 103 +3B*^	500
	0.082	15.5	22.0	19.0	0.8	15.0	63 823 +3B*^	500
	0.0082	7.5	12.0	28.0	0.8	22.5	63 822 +3B*^	250
	0.01	8.0	13.0	28.0	0.8	22.5	63 103 +3B*^	250
	0.1	12.5	19.0	28.0	0.8	22.5	63 104 +3B*^	250
	0.022	7.5	13.0	31.0	0.8	27.5	63 222 +3B*^	250
	0.1	11.5	18.5	31.0	0.8	27.5	63 104 +3B*^	250
	0.33	19.5	29.5	31.0	0.8	27.5	63 334 +3B*^	250
1600VDC	0.0068	8.0	13.0	19.0	0.8	15.0	63 682 +3C*^	500
500VAC	0.01	9.5	15.0	19.0	0.8	15.0	63 103 +3C*^	500
	0.022	13.0	20.0	19.0	0.8	15.0	63 223 +3C*^	500
	0.0068	7.5	12.5	28.0	0.8	22.5	63 682 +3C*^	250
	0.01	7.0	12.5	28.0	0.8	22.5	63 103 +3C*^	250
	0.1	17.5	27.5	28.0	0.8	22.5	63 104 +3C*^	250
	0.022	9.0	14.0	31.0	0.8	27.5	63 223 +3C*^	250
	0.1	15.5	25.5	31.0	0.8	27.5	63 104 +3C*^	250
	0.18	21.5	31.0	31.0	0.8	27.5	63 184 +3C*^	250
2000VDC	0.0068	10.0	17.0	19.0	0.8	15.0	63 682 +3D*^	500
700VAC	0.01	12.0	19.0	19.0	0.8	15.0	63 103 +3D*^	500
	0.015	15.0	21.5	19.0	0.8	15.0	63 153 +3D*^	500
	0.0068	7.5	12.5	28.0	0.8	22.5	63 682 +3D*^	250
	0.01	8.5	13.5	28.0	0.8	22.5	63 103 +3D*^	250
	0.082	19.5	29.5	28.0	0.8	22.5	63 823 +3D*^	250
	0.0068	7.5	13.0	31.0	0.8	27.5	63 682 +3D*^	250
	0.01	8.0	13.0	31.0	0.8	27.5	63 103 +3D*^	250
	0.1	19.5	29.5	31.0	0.8	27.5	63 104 +3D*^	250

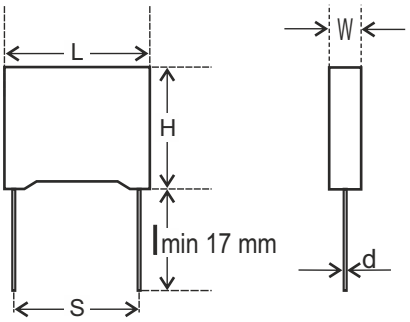


AC Pulse & Metallized Polypropylene Film Capacitors

PP/MPP • Series Code 63, 68

Ordering code and packaging unit: AC Pulse & Metallized Polypropylene Film Capacitors (PP/MPP) Box Type • Series Code 68

Rated Voltage	Rated Capacitance µF	Dimensions (mm) W ±0.75	H ±0.75	L ±0.75	d ±0.05	S ±0.75	Ordering code	Packing units Bulk
1000VDC	0.0068	5.0	11.0	18.0	0.8	15.0	68 682 +3A*^	500
400VAC	0.01	5.0	11.0	18.0	0.8	15.0	68 103 +3A*^	500
	0.082	12.0	21.0	18.0	0.8	15.0	68 823 +3A*^	500
	0.018	6.0	15.0	26.0	0.8	22.5	68 183 +3A*^	250
	0.068	8.5	17.0	26.0	0.8	22.5	68 683 +3A*^	250
	0.1	10.0	19.0	26.0	0.8	22.5	68 104 +3A*^	250
	0.022	9.0	18.0	32.0	0.8	27.5	68 223 +3A*^	250
	0.1	9.0	18.0	32.0	0.8	27.5	68 104 +3A*^	250
	0.47	20.0	30.0	32.0	0.8	27.5	68 474 +3A*^	250
1250VDC	0.0068	6.0	12.0	18.0	0.8	15.0	68 682 +3B*^	500
450VAC	0.01	6.0	12.0	18.0	0.8	15.0	68 103 +3B*^	500
	0.056	12.0	21.0	18.0	0.8	15.0	68 563 +3B*^	500
	0.0082	6.0	15.0	26.0	0.8	22.5	68 822 +3B*^	250
	0.01	7.0	16.5	26.0	0.8	22.5	68 103 +3B*^	250
	0.1	12.0	22.0	26.0	0.8	22.5	68 104 +3B*^	250
	0.022	9.0	18.0	32.0	0.8	27.5	68 222 +3B*^	250
	0.1	11.0	20.0	32.0	0.8	27.5	68 104 +3B*^	250
	0.33	21.0	34.0	32.0	0.8	27.5	68 334 +3B*^	250
1600VDC	0.0068	7.5	13.5	18.0	0.8	15.0	68 682 +3C*^	500
500VAC	0.01	8.5	17.5	18.0	0.8	15.0	68 103 +3C*^	500
	0.022	12.0	21.0	18.0	0.8	15.0	68 223 +3C*^	500
	0.0068	6.0	15.0	26.0	0.8	22.5	68 682 +3C*^	250
	0.01	6.0	15.0	26.0	0.8	22.5	68 103 +3C*^	250
	0.068	15.0	25.0	26.0	0.8	22.5	68 683 +3C*^	250
	0.022	9.0	18.0	32.0	0.8	27.5	68 223 +3C*^	250
	0.1	18.0	26.0	32.0	0.8	27.5	68 104 +3C*^	250
	0.18	21.0	34.0	32.0	0.8	27.5	68 184 +3C*^	250
2000VDC	0.0068	10.0	16.0	18.0	0.8	15.0	68 682 +3D*^	500
700VAC	0.01	12.0	21.0	18.0	0.8	15.0	68 103 +3D*^	500
	0.012	12.0	21.0	18.0	0.8	15.0	68 123 +3D*^	500
	0.0068	6.0	15.0	26.0	0.8	22.5	68 682 +3D*^	250
	0.01	7.0	16.5	26.0	0.8	22.5	68 103 +3D*^	250
	0.047	15.0	25.0	26.0	0.8	22.5	68 473 +3D*^	250
	0.0068	9.0	18.0	32.0	0.8	27.5	68 682 +3D*^	250
	0.01	9.0	18.0	32.0	0.8	27.5	68 103 +3D*^	250
	0.1	20.0	30.0	32.0	0.8	27.5	68 104 +3D*^	250



Note: For more details please contact info@dekielectronics.com