

Metallized Polypropylene Film Capacitors

Series Code
17, 22, 112

MPP-AC

Main Application

This series is specially designed for energy meter applications, voltage dropper, capacitive power supply, etc.

Construction

Low inductive wound cell of metallized polypropylene film coated with flame retardant epoxy resin or encased in flame retardant box.

Climatic Category

40/100/56

Maximum Operating Temperature

100° C

Applicable Specification

IEC 384-17

Capacitance Value

0.01µF – 2.2µF

Capacitance Tolerance

±2.5%, ±5%, ±10%

Insulation Resistance

Minimum Insulation Resistance R_{IS} (or) time constant $T = C_R \times R_{IS}$ (at 100VDC, temp 25°C, relative humidity ≤ 70%)

$C_R \leq 0.33 \mu F$
100000 MΩ

$C_R > 0.33 \mu F$
30000s

Rated Voltage

275VAC- 440VAC

Voltage Proof

Between the terminals 1250VDC for 2 sec.

Tan δ

Frequency	$C_R < 0.1 \mu F$	$0.1 \mu F < C_R \leq 1 \mu F$	$C_R > 1 \mu F$
1 kHz	0.08%	0.10%	0.1%
10 kHz	0.10%	0.15%	-

Life Test Conditions

(Loading at elevated temperature)

Loaded at 1.1 times of rated voltage at 70°C for 1000 hours.

After the Test

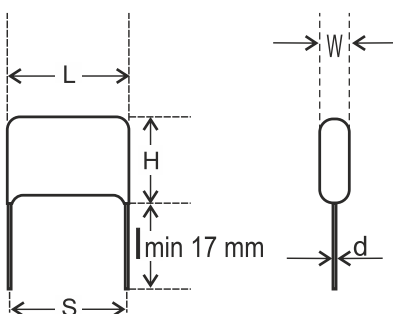
$\Delta C/C: \leq 10\%$ of initial value.

Increase of Tan δ: ≤ 0.005 ; $C_R \leq 1 \mu F$

Insulation resistance: $\geq 50\%$ of the value mentioned in IR chart.

Ordering code and packing units: Metallized Polypropylene Film Capacitors (MPP-AC) Dip Type • Series Code 17

Rated Voltage	Rated Cap. (µF)	Dimensions (mm)						DV/DT V/µs	Ordering code	Packing units Bulk
		W (max)	H (max)	L (max)	d ±0.05	S ±0.75				
275VAC	0.1	6.0	11.00	13.0	0.6	10.0	400	17 104 +03^A	500	
	1.0	8.0	17.00	31.0	0.8	27.5	150	17 105 +03^A	100	
	2.2	12.0	21.00	31.0	0.8	27.5	150	17 225 +03^A	100	
305VAC	0.1	6.5	12.50	13.0	0.6	10.0	475	17 104 +03^A	500	
	1.0	10.0	19.00	31.0	0.8	27.5	150	17 105 +03^A	100	
	2.2	14.0	23.00	31.0	0.8	27.5	150	17 225 +03^A	100	
310VAC	0.1	6.5	12.50	13.0	0.6	10.0	475	17 104 +05^A	500	
	1.0	10.0	19.00	31.0	0.8	27.5	150	17 105 +05^A	100	
	2.2	14.0	23.00	31.0	0.8	27.5	150	17 225 +05^A	100	
440VAC	0.1	7.0	13.00	19.0	0.8	15.0	340	17 104 +06^A	500	
	1.0	13.0	23.00	27.0	0.8	22.5	170	17 105 +06^A	100	
	2.2	20.0	29.00	31.0	0.8	27.5	150	17 225 +06^A	100	



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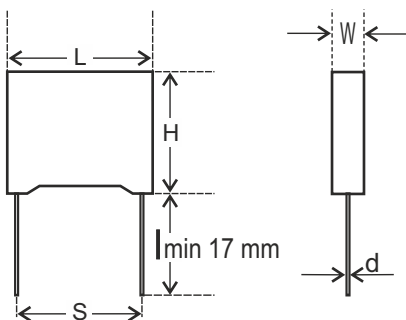


Ordering code and packing units: Metallized Polypropylene Film Capacitors (MPP-AC) Dip Type • Series Code 112

Rated Voltage	Rated Cap. (μF)	W (max)	H (max)	Dimensions (mm)			Wt g	Ordering code	Packing units Bulk
				L (max)	d ±0.05	S ±0.75			
250VAC	0.01	6	11	10.5	0.5	7.5	1.2	112 103 + 02 ^A	500
	0.033	6	11	10.5	0.5	7.5	1.3	112 333 + 02 ^A	500
	0.047	6	11	10.5	0.5	7.5	1.3	112 473 + 02 ^A	500
	0.068	7	11	10.5	0.5	7.5	1.5	112 683 + 02 ^A	500
275VAC	0.01	6	11	10.5	0.5	7.5	1.2	112 103 + 03 ^A	500
	0.022	6	11	10.5	0.5	7.5	1.3	112 223 + 03 ^A	500
	0.1	7	12	10.5	0.5	7.5	1.6	112 104 + 03 ^A	500
305VAC	0.01	6	11	10.5	0.5	7.5	1.2	112 103 + 04 ^A	500
	0.033	6	11	10.5	0.5	7.5	1.3	112 333 + 04 ^A	500
	0.047	7	12	10.5	0.5	7.5	1.5	112 473 + 04 ^A	500
	0.068	8	12	10.5	0.5	7.5	1.9	112 683 + 04 ^A	500
310VAC	0.01	6	12	10.5	0.5	7.5	1.2	112 103 + 05 ^A	500
	0.033	6	12	10.5	0.5	7.5	1.3	112 333 + 05 ^A	500
	0.047	7	12	10.5	0.5	7.5	1.5	112 473 + 05 ^A	500
	0.068	8	12	10.5	0.5	7.5	1.9	112 683 + 05 ^A	500
440VAC	0.01	6	12	10.5	0.5	7.5	1.2	112 103 + 06 ^A	500
	0.022	8	12	10.5	0.5	7.5	1.4	112 223 + 06 ^A	500

Ordering code and packing units: Metallized Polypropylene Film Capacitors (MPP-AC) Box Type • Series Code 22

Rated Voltage	Rated Cap. (μF)	W ±0.5	H ±0.5	Dimensions (mm)			DV/DT V/μs	Ordering code	Packing units Bulk
				L ±0.5	d ±0.05	S ±0.75			
275VAC	0.1	5	11.0	13.0	0.6	10.0	400	22 104 +03^A	500
	1.0	10	18.5	26.5	0.8	22.2	150	22 105 +03^A	100
	2.2	13	22.0	32.0	0.8	27.5	150	22 225 +03^A	100
305VAC	0.1	6	12.0	18.0	0.8	15.0	475	22 104 +04^A	500
	1.0	11	20.0	26.5	0.8	22.5	300	22 105 +04^A	100
	2.2	13	25.0	32.0	0.8	27.5	150	22 225 +04^A	100
310VAC	0.1	6	12.0	18.0	0.8	15.0	400	22 104 +05^A	500
	1.0	11	20.0	26.5	0.8	22.5	300	22 105 +05^A	100
	2.2	13	25.0	32.0	0.8	27.5	150	22 225 +05^A	100
440 VAC	0.1	6	12.0	18.0	0.8	15.0	340	22 104 +06^A	500
	1.0	13	25.0	32.0	0.8	27.5	170	22 105 +06^A	100
	2.2	18	33.0	32.0	0.8	27.5	150	22 225 +06^A	100



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