

Fuse Type Metallized Polyester Film Capacitors

Series Code
88

MPET-F

Main Application

Smoothing in active power factor correction, LED driver, boost PFC, fly back PFC.

Construction

Low inductive cell of metallized polyester film with internal fuses coated with flame retardant epoxy resin.

Climatic Category

40/105/56

Rated and Maximum Operating Temperature

85°C and 105°C

Capacitance Value

0.047µF- 3.3µF

Capacitance Tolerance

±5%, ±10%

Rated Voltage

450VDC-630VDC

Voltage Proof

Between terminals: 1.6 times of rated voltage for 2 sec.

Tan δ

Frequency	$C_R < 0.1\mu F$	$0.1\mu F \leq C_R \leq 1\mu F$	$C_R > 1\mu F$
1kHz	0.8%	0.8%	1.0%
10kHz	1.5%	1.5%	-
100kHz	3.0%	3.0%	-

Life Test Conditions

(Loading at elevated temperature)

Loaded at 1.25 times of rated voltage at 85° C for 1000 hours.

After the test

$\Delta C/C: \leq 10\%$

Increase of Tan δ: $\leq 0.005, C_R \leq 1\mu F$;
 $\leq 0.003, C_R > 1\mu F$;

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

Insulation Resistance

Minimum Insulation Resistance R_{IS}
at 25° C, relative humidity $\leq 70\%$

V_R	$C_R \leq 0.33\mu F$	$C_R > 0.33\mu F$
$> 100 V DC$	7500 MΩ	2500s

Ordering code and packing units: Fuse Type Metallized Polyester Film Capacitors (MPET-F) Dip Type • Series Code 88

Rated Voltage	Rated Capacitance (µF)	W (max)	H (max)	Dimensions (mm)			Wt. g	Ordering code
				L (max)	d ±0.05	S ±0.75		
450VDC	0.047	6	11	13	0.6	10.0	0.9	88 473 + 2l **
	0.068	7	12	13	0.6	10.0	1.1	88 683 + 2l **
	0.1	7	11	13	0.6	10.0	1.1	88 104 + 2l **
	0.1	6	11	19	0.8	15.0	1.2	88 104 + 2l **
	0.22	6	10	19	0.8	15.0	1.2	88 224 + 2l **
	0.41	7	13	19	0.8	15.0	1.7	88 414 + 2l **
	0.68	8	15	19	0.8	15.0	2.6	88 684 + 2l **
	1.0	9	17	19	0.8	15.0	3.5	88 105 + 2l **
	0.47	6	13	27	0.8	22.5	1.9	88 474 + 2l **
	1.0	7	16	27	0.8	22.5	3.2	88 105 + 2l **
	1.5	9	17	27	0.8	22.5	4.5	88 155 + 2l **
	2.2	10	19	27	0.8	22.5	6.1	88 225 + 2l **
	0.33	7	12	31	0.8	27.5	2.5	88 334 + 2l **
	0.47	8	13	31	0.8	27.5	3.3	88 474 + 2l **
	0.68	6	12	31	0.8	27.5	2.4	88 684 + 2l **
	1.0	7	13	31	0.8	27.5	3.1	88 105 + 2l **
3.3	11	20	31	0.8	27.5	8.3	88 335 + 2l **	
4.7	13	22	31	0.8	27.5	11.2	88 475 + 2l **	

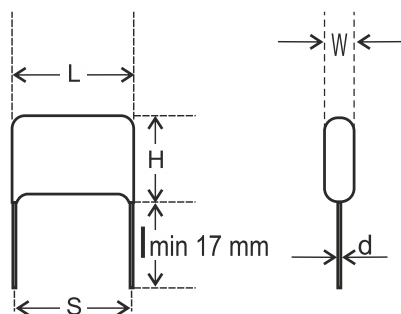
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MPET-F • Series Code 88



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(MPET-F) Dip Type • Series Code 88

Rated Voltage	Rated Capacitance (μF)	Dimensions (mm)					Wt. g	Ordering code
		W (max)	H (max)	L (max)	d ±0.05	S ±0.75		
630VDC	0.047	6	11	13	0.6	10.0	0.9	88 473 + 2J ^A
	0.068	7	12	13	0.6	10.0	1.1	88 683 + 2J ^A
	0.1	8	13	13	0.6	10.0	1.6	88 104 + 2J ^A
	0.1	6	11	19	0.8	15.0	1.3	88 104 + 2J ^A
	0.22	8	13	19	0.8	15.0	2.2	88 224 + 2J ^A
	0.41	10	16	19	0.8	15.0	3.7	88 414 + 2J ^A
	0.41	8	13	27	0.8	22.5	3.2	88 474 + 2J ^A
	0.68	9	17	27	0.8	22.5	4.7	88 684 + 2J ^A
	1.0	11	18	27	0.8	22.5	6.6	88 105 + 2J ^A
	0.33	7	12	31	0.8	27.5	2.6	88 334 + 2J ^A
	0.47	8	13	31	0.8	27.5	3.4	88 474 + 2J ^A
	0.68	8	16	31	0.8	27.5	4.6	88 684 + 2J ^A
	1.0	10	17	31	0.8	27.5	6.2	88 105 + 2J ^A
	1.5	11	20	31	0.8	27.5	8.7	88 155 + 2J ^A
	2.2	14	23	31	0.8	27.5	12.1	88 225 + 2J ^A
	3.3	18	27	31	0.8	27.5	17.4	88 335 + 2J ^A



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