

# Plastic Film Capacitors

## Film Capacitor for AC Motor

### PMF series



#### Features

- High safety (safety function installed)
- High reliability, safety standard approval
- Small size, lightness, and low loss
- RoHS compliant

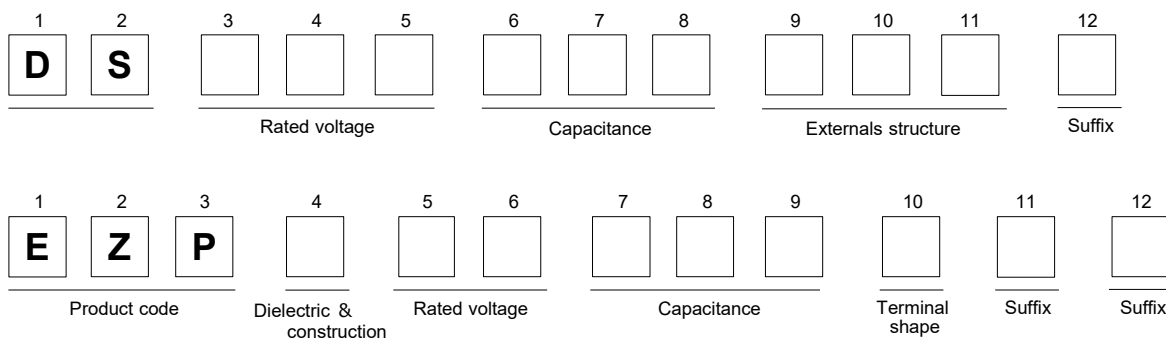
#### Recommended applications

- Motor and small compressor (for running)

#### Construction

- Internal electrode : Metallized plastic film (safety function installed)
- Plastic case : UL94 V-0
- Sealing : UL94 V-0
- Terminal : Faston terminal (tin plating), Lead wire (tin plating), Insulated wire

#### Explanation of part number



#### Applicable standard

Japan	JIS C 4908 Capacitors for electrical apparatus CMJ registration parts. Registration No.1475- C9902-026(JET)
UL/cUL	UL810/CSA C22.2 No.190 FILE No.E76560
CSA	CSA C22.2 No.190
Europe	EN60252-1 AC motor Capacitors TUV
China	GB/T 3667.1 AC motor Capacitors CQC

#### Specifications

Applicable standard <sup>*1</sup>		JIS UL	EN GB
Safety class		With built-in safety function P2 (CMJ approval) 10000 AFC (UL)	S3
Rated voltage (50/60 Hz) <sup>*2</sup> [AC]		150 V to 500 V (For UL Approved P/N : up to 480 V.AC)	EN / TUV : 450 V GB : 250 V, 450 V
Rated capacitance <sup>*2</sup>		0.5 μF to 65 μF	
Capacitance tolerance		-5 % / +10 %, ±5 % (Refer to the individual drawing)	
Withstand voltage	Between terminals	Rated voltage×1.75 60 s	Rated voltage×2.0 60 s
	Between terminals to enclosure	(min. 2000 V [AC]) Rated voltage × 2.0 + 1000 V [AC] 60 s	
Maximum permissible temperature (Case wall)		70 °C (Including self temperature rising)	

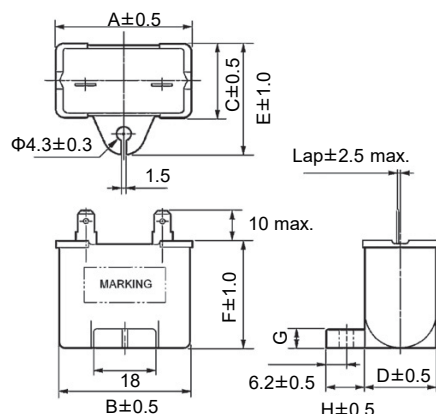
\*1 : The range of approval is different depending on each approval.

\*2 : These are typical values.

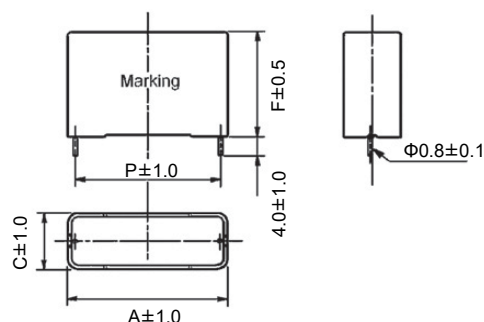
Dimension (Example)<sup>\*3</sup>

## ● Q series (Mounting type)

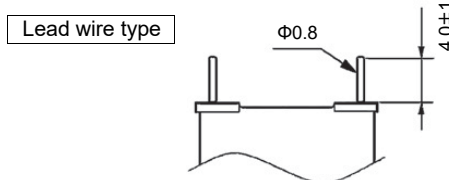
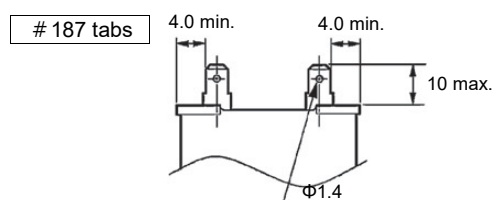
※ Non mounting type is available. (P series).



## ● T series (Printed circuit board (PCB))



## ● Terminal shape (Standard)



Unit : mm

<sup>\*3</sup> : Other shape and specific requirement can be designed. Please contact, if necessary.Rating · Dimensions<sup>\*4</sup>

## ● Q series (Mounting type)

Rated voltage (V) [AC]	Capacitance (μF)	Dimensions (mm)								Case series	
		A	B	C	D	E	F	G	H		
250	3.0 to 4.5	39.5	38.5	16.2	14.8	27.0	27.0	4.0	11.5	Q	
	5.0 to 6.0	39.5	38.2	18.3	16.8	29.0	29.0				
	6.5 to 9.5	39.5	38.2	22.0	20.8	32.5	32.5				
	10.0 to 16.0	49.7	48.3	24.0	22.5	34.5	34.5				
	16.5 to 20.0	50.0	48.5	26.7	25.3	37.5	38.0				
	20.5 to 25.0	50.0	48.5	30.5	28.8	41.0	41.5				
	25.5 to 34.5	50.0	48.5	34.0	32.6	45.0	45.0	6.0			
450	1.0 to 1.4	39.5	38.5	16.2	14.8	27.0	27.0	4.0	11.5		
	1.5 to 1.8	39.5	38.2	18.3	16.8	29.0	29.0				
	1.9 to 2.5	39.5	38.2	22.0	20.8	32.5	32.5				
	3.0 to 5.0	49.7	48.3	24.0	22.5	34.5	34.5				
	5.5 to 6.5	50.0	48.5	26.7	25.3	37.5	38.0				
	7.0 to 8.0	50.0	48.5	30.5	28.8	41.0	41.5				
	8.5 to 10.5	50.0	48.5	34.0	32.6	45.0	45.0	6.0			

## ● T series (Printed circuit board (PCB))

Rated voltage (V) [AC]	Capacitance (μF)	Dimensions (mm)				Case series
		A	C	F	P	
250	3.0 to 4.0	38.5	14.0	25.5	36.0	T
	4.5 to 6.5	38.5	15.5	29.0	36.0	
	7.0 to 8.0	38.5	20.5	29.0	36.0	
	8.5 to 11.0	38.5	25.0	34.0	36.0	
	11.5 to 18.5	48.5	22.0	36.0	46.0	
450	1.0 to 1.3	38.5	14.0	25.5	36.0	
	1.4 to 2.0	38.5	15.5	29.0	36.0	
	2.1 to 2.5	38.5	20.5	29.0	36.0	
	3.0 to 3.5	38.5	25.0	34.0	36.0	
	4.0 to 5.5	48.5	22.0	36.0	46.0	

<sup>\*4</sup> : Please contact if necessary other Voltage and Capacitance.

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