



Film Capacitor for AC Motor

DMF series

Features

- High safety (with built-in safety device)
- High reliability, Safety standard approval
- Small size, lightness, and low loss
- RoHS compliant

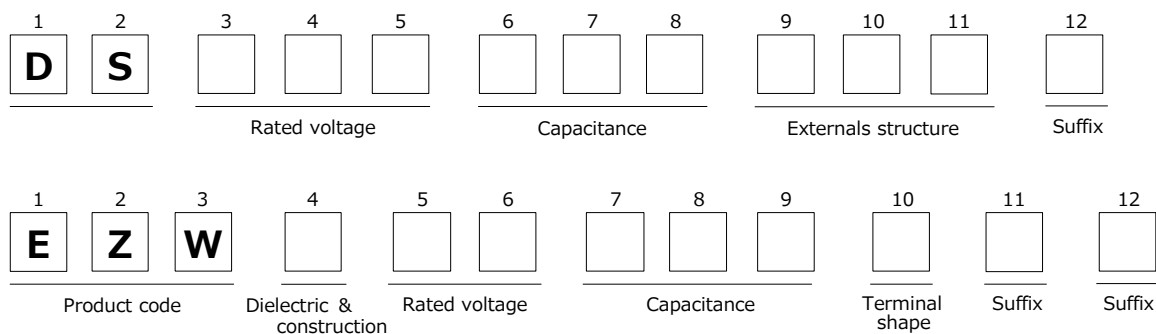
Recommended applications

- Motor and compressor (for running)

Construction

- Internal electrode : Metallized plastic film
- Exterior material : Metal case (oil sealing up type)
- Terminal : Faston terminal (tin plating)

Explanation of part number



Applicable standard

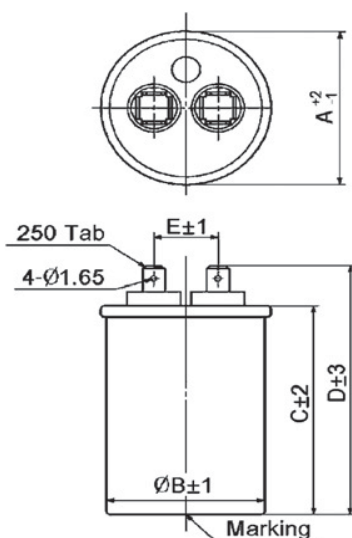
Japan	JIS C 4908 Capacitors for electrical apparatus CMJ registration parts. Registration No.1475- C9902-026(JET)
UL/cUL	UL810/CSA C22.2 No.190 FILE No.E76560
Europe	EN60252-1 AC motor Capacitors TUV
China	GB/T 3667.1 AC motor Capacitors CQC

Specifications

Applicable standard ^{*1}		JIS UL	EN GB
Safety class		With built-in safety device P1 (CMJ approval) 10000 AFC (UL)	S2
Rated voltage (50/60 Hz) ^{*2} [AC]		180 V to 450 V	440 V, 450 V
Rated capacitance ^{*2}		10 μF to 60 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)^{*3}

Unit : mm

^{*3} : Other shape and specific requirement can be designed. Please contact, if necessary.

Three tabs and as many as four tabs are also possible though standards of the number of terminal tabs are two tabs.

Rating · Dimensions^{*4}

Rated voltage (V) [AC]	Capacitance (μF)	Dimensions (mm)				
		A	B	C	D	E
370 to 440	5.0 to 10.0	43.0	41.0	70.0	83.0	16.0
	11.0 to 15.0	43.0	41.0	80.0	93.0	16.0
	16.0 to 20.0	43.0	41.0	90.0	103.0	16.0
	21.0 to 25.0	43.0	41.0	100.0	113.0	16.0
	26.0 to 30.0	43.0	41.0	110.0	123.0	16.0
	31.0 to 35.0	43.0	41.0	130.0	143.0	16.0
	36.0 to 40.0	48.0	45.0	110.0	123.0	18.0
	41.0 to 50.0	48.0	45.0	130.0	143.0	18.0
	51.0 to 55.0	53.0	50.5	110.0	123.0	18.0
	56.0 to 60.0	63.0	60.5	90.0	103.0	20.0
	61.0 to 65.0	63.0	60.5	100.0	113.0	20.0
450	5.0 to 10.0	43.0	41.0	70.0	83.0	16.0
	11.0 to 15.0	43.0	41.0	90.0	103.0	16.0
	16.0 to 20.0	43.0	41.0	110.0	123.0	16.0
	21.0 to 25.0	48.0	45.0	100.0	113.0	18.0
	26.0 to 30.0	48.0	45.0	110.0	123.0	18.0
	31.0 to 35.0	53.0	50.5	100.0	113.0	18.0
	36.0 to 40.0	53.0	50.5	110.0	123.0	18.0
	41.0 to 50.0	63.0	60.5	100.0	113.0	20.0
	51.0 to 55.0	63.0	60.5	110.0	123.0	20.0
	56.0 to 60.0	63.0	60.5	130.0	143.0	20.0

^{*4} : Please contact if necessary other Voltage and Capacitance.

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