



Film Capacitors – AC Capacitors

AC Motor Run Capacitors

Series/Type: Plastic box S3 capacitor
Ordering code: B33352B4305J081
Date: 2017-08-07
Version: 2

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B33352B4305J081		2019-05-03	2019-09-30	2020-03-31

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Preliminary data
Construction

- Dielectric: polypropylene film
- Electrode: segmented metalized film
- Filling material: epoxy resin (blue)

Features

- Self-healing properties
- Low dissipation factor
- High insulation resistance
- S3 safety class acc. IEC 60252-1


Typical applications

- For general sine wave applications and motor run applications

Terminals

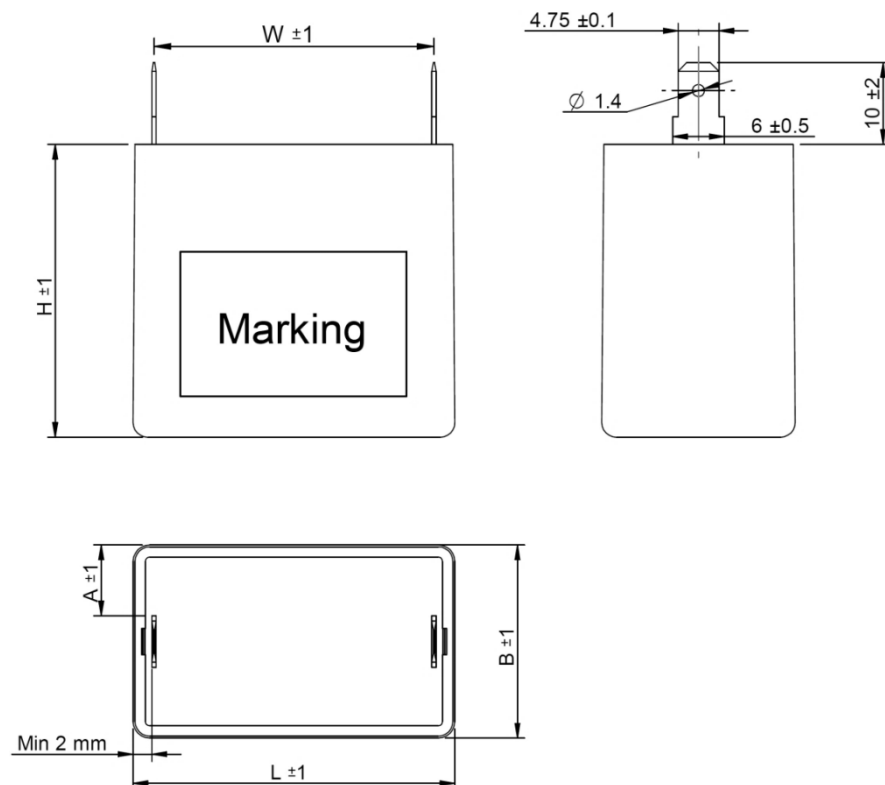
- 1+1, Fast-on terminal, # 187 style (4.75 x 0.5)

Technical data and specifications

Reference standards	IEC 60252-1, (ed-2) am 1/ EN 60252, UL 810	
Safety class to IEC 60252-1, (ed-2) am 1	S3	
Life expectancy to IEC 60252-1, (ed-2) am 1	10000 h (Class B)	
Rated capacitance C_R	3 μ F	
Tolerance	+5%	
Rated voltage V_R	400 VAC	
Rated frequency f_R	50/60 Hz	
Maximum ratings		
Maximum permissible voltage V_{max}	$1.1 \cdot V_R$	(V_R = rated voltage)
Maximum permissible current I_{max}	$1.3 \cdot I_R$	(I_R = rated current)

Preliminary data

Test data	
AC test voltage terminal to terminal V_{TT}	2.0 V_R , 2 s
Insulation resistance R_{ins} or time constant τ at +20 °C, rel. Humidity $\leq 65\%$ (minimum as-delivered values)	10000 s
Dissipation factor $\tan \delta$ at +20 °C	$\leq 1.0 \cdot 10^{-3}$ (120 Hz)
Maximum rate of voltage rise dV/dt_{max}	10 V/ μ s
Climatic data	
Climatic category	25/085/21 to IEC 60068-1
Lower category T_{min}	-25 °C
Upper category T_{max}	+85 °C
Damp heat test t_{test}	21 days
Mechanical and thermal properties of resin material	
Ball pressure test to IEC 60309-1 sec. 27.3	20 N at +125 °C
Flammability acc. UL 94 VO	compatible
Resistance to head and fire as per IEC 60335-1 <ul style="list-style-type: none"> • Glow wire test to IEC60695-2-1 and -2-2/1 • Test temperature 750 °C for IR>0.5A or material < 3mm distance to terminal 	
Compatibility to RoHS	
Compliance to directive 2002/95/EC	
Approvals	
VDE – 400 V/85 °C: 10000 h (class B)-files 40046351	Approved
	Compliance to LV directive 2014/35/EU
US UL 810 files E238746	Protected up to 10000 AFC
Marking	

Preliminary data
Dimensional drawing

Ordering code

V_R V AC	C_R μF	Dimensions mm				Packing units Qty	Ordering code
		B	H	L	A		
400	3	18	30	37	6	130	B33352B4305J081

Other ratings on request

⚠ Please read "Applications warning, installation and maintenance instructions" and the "General Safety Data Sheet for Power Capacitors" issued by ZVEI, which are available on the internet at www.epcos.com/ac_capacitors, to ensure optimum performance and to prevent products from failing, and in worst case, bursting and fire. Information given in the data sheet reflects typical specifications. You are kindly requested to approve our product specifications or request our approval for your specification before ordering

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