

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The following products presented in this data sheet are being withdrawn.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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AC Motor Run Capacitors

Plastic box S3 capacitor

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



 For general sine wave applications and motor run applications



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 μF						
Tolerance	+5%						
Rated voltage V _R	400 VAC						
Rated frequency f _R	50/60 Hz						
Maximum ratings							
Maximum permissible voltage V _{max}	1.1 • V_R (V_R = rated voltage)						
Maximum permissible current I _{max}	1.3 • · I _R (I _R = rated current)						





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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 δ at +20 °C	≤ 1.0 • 10 ⁻³ (120 Hz)		
Maximum rate of voltage rise dV/dt _{max}	10 V/µs		
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 • 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	RoHS		
Approvals			
VDE – 400 V/85 °C: 10000 h (class B)-files 40046351	Approved		
(€	Compliance to LV directive 2014/35/EU		
C 91 US UL 810 files E238746	Protected up to 10000 AFC		
Marking			

B33352 CE CX uF±5% CE 400VAC 50/60 Hz 10,000AFC 25/085/21 SH B S3 IEC60252-1 Made by EPCOS PO Number WW.YY.N

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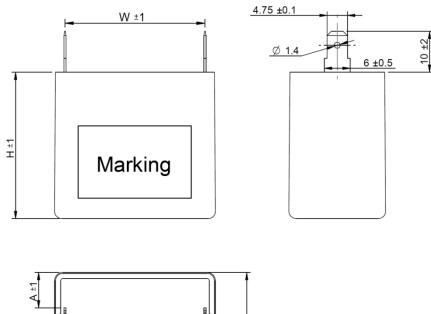
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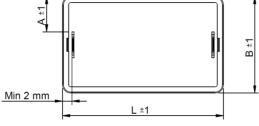
AC Motor Run Capacitors

Plastic box S3 capacitor

Preliminary data

Dimensional drawing





Ordering code

V _R V AC	C _R μF	Dimensions mm				Packing units Qty	Ordering code
		В	Н	L	Α		
400	3	18	30	37	6	130	B33352B4305J081

Other ratings on request

A 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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