

Film Capacitors – AC Capacitors

Motor run capacitors

Series/Type: 450 V

Ordering code: B32332 range for distribution

Date: July 2016

Version:

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450 V

Construction

- Metallized polypropylene film
- Aluminum can with plastic top
- Filling material soft polyurethane resin

Features

- Self-healing properties
- Low dissipation factor
- Overpressure disconnection safety device
- S2 safety class as per IEC-60252-1(ed-2) am1
- High insulation resistance
- EN 60335-1 compliance on request

Applications

For general sine wave application, mainly as motor run

Terminals

■ B32332 - Double fast-on 6.3 x 0.8 mm

Mounting parts

Threaded stud at bottom of can (M8, Max torque= 5 Nm)



Fechnical data and specifications				
Reference standards	DIN EN 60252-1:2014-07, IEC 60252-1 (ed 2) am1 UL 810			
Safety class to IEC 60252-1 2013	S2			
Life expectancy to IEC 60252-1 2013	450 V : 30000 h (Class A)			
UL 810 file E106388	Approved component			
Rated capacitance C _R	See table ordering code, page 6			
Tolerance Tx	+/- 5%			
Rated voltage V _{rms}	450 V AC			
Rated frequency f _R	50/60 Hz			



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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)
Test data	
AC test voltage terminal to terminal V_{TT}	2.0 • V _R , 2 s (routine test) 2.0 • V _R , 60 s (type test)
AC test voltage terminal to can V _{TC}	2 kVAC, 2 s (routine test) 2 kVAC, 60 s (type test)
Insulation resistance R _{ins} or time constant at +20 ℃, rel. humidity≤65% (minimum as-delivered values)	3000 s
Dissipation factor tan δ at +20 ℃	≤7 • 10 ⁻³ (1 kHz)
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 terminal insulate	or material
Ball pressure test to IEC 60309-1 sec. 27.3	At +125 °C
Plastic can and top disk material	UL 94 V2 minimum
 UL 94 V2/V0 compatible Glow wire test to IEC60335-1 / IEC 60695-2-1/1 Test temperature +750 °C Part is compatible to EN 60335-1 	Self-extinguish within 2 seconds of withdrawing glow wire without igniting wrapping tissue of GWT
■ Tracking test to IEC 60112 solution A	> 250 V
Compatibility to RoHS	
Compliance to directive 2011/65/EU	RoHS
Approvals: see table for approved ratings	
UL 810 E106388	
c Al us	Approved component 10000 AFC, protected up to 450 V
VDE EN 60252-1	
DVE)	Approved up to 20 uF, 450 V / +85 $^{\circ}$ C : 30000 h (Class A)



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TÜV EN 60252-1	Approved up to 50 uF, 450 V / +85 °C : 30000 h (Class A)
COC	Approval on request
C€	Compliance to LV directive 2014/35/EU
Logistics	
Delivery mode	EU palette as standardCardboard tape on palettePack unit, see dimension table

Display of ordering codes for EPCOS products

Film Capacitors – AC Capacitors

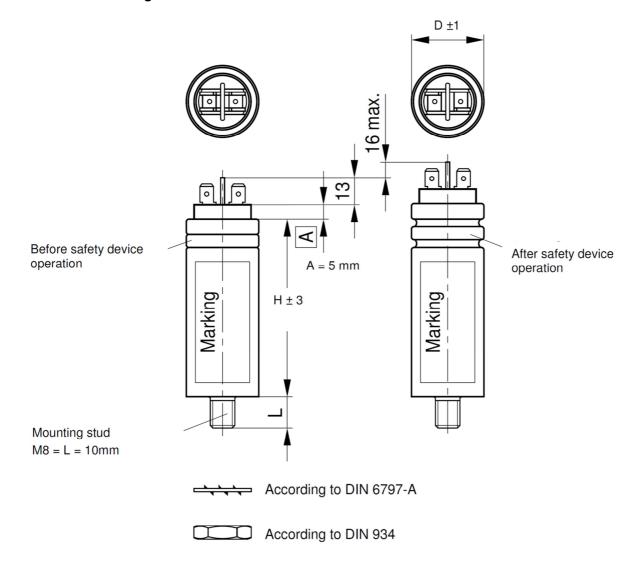
Motor run capacitors

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Motor run capacitors

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Dimensional drawing





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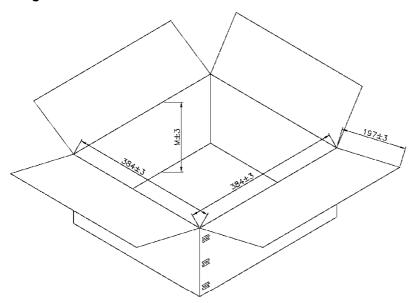
Ordering codes

Rated voltage V _R	capacitance D	Dimensions D x H	Ordering code	Approvals / Life class				Packing unit
		mm		VDE	ΤÜV	UL	CQC	pcs
450	2.5	30 x 52	B32332 6255J081	А	А	•	•	49
	5	30 x 52	B32332 6505J082	А	Α	•	•	49
	7.5	30 x 68	B32332l6755J080	А	А	•	•	49
	10	30 x 68	B32332l6106J080	А	Α	•	•	49
	15	30 x 78	B32332I6156J080	А	Α	•	•	49
	20	30 x 93	B32332 6206J081	А	А	•	•	49
	25	35 x 93	B32332 6256J080		Α	•	•	36
	30	35 x 93	B32332 6306J080		Α	•	•	36
	35	35 x 103	B32332I6356J082		А	•	•	36
	40	40 x 103	B32332l6406J081		А	•	•	36
	50	45 x 103	B32332l6506J082		А	•	•	25
	60	45 x 103	B32332l6606J082			•	•	25

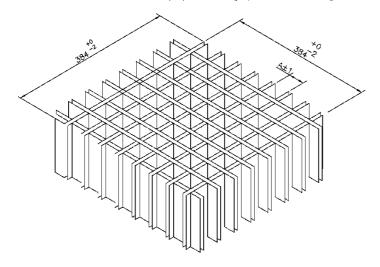
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Packing box



M = H(Capacitor height) + Terminal height + 10mm min.





A Please read "Applications warning, installation and maintenance instructions" and the "ZVEI -General safety recommendations for power capacitors", 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.



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