

Film capacitors – AC capacitors

EPCOS Feida Motor Run Capacitors

Series/Type: CBB66 - Single Capacitor P2 Aluminum Can Oval

Ordering code: B33364

Date: March. 2010

Version:



Construction

Dielectric: polypropylene filmElectrode: Metallized filmAluminum can, metal top

Filling material: Vegetable oil, PCB freeInsulator material as per IEC 60335-1

Features

- Self-healing properties
- Low dissipation factor
- Overpressure disconnection device
- Highest safety level P2 to IEC 60252-1 2001-02
- High insulation resistance
- IEC/EN 60335 compatible



Typical applications

 For general sine wave applications, mainly as motor run capacitor

Terminals

■ 4+4 fast-on terminal #250 style

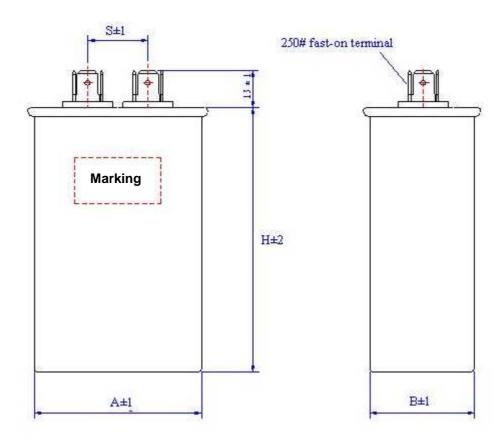
Technical data and specifications						
Reference standards	UL 810 / IEC 60252-1 / EIA 456 A Jan.89					
Safety class to IEC 60252-1 2001-02	P2					
Life expectancy to IEC 60252 2001	370V, 440V: 10 000h (Class B)					
Life expectancy to EIA 456 A Jan. 89	60 000 hours at 95% survival rate					
Rated capacitance C _R	350µF					
Tolerance	±5% other tolerances on request					
Rated voltage V _R	370Vac, 440 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)					

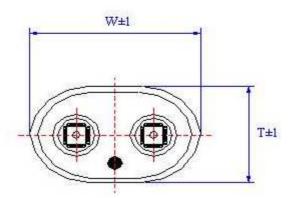


Test data			
AC test voltage terminal to terminal V _{TT}	2.0 · V _R , 10 s		
Insulation voltage terminals to case	3000 V AC, 2 s		
Insulation resistance R_{ins} or time constant τ at 20 °C, rel. Humidity \leq 65% (minimum as-delivered values)	10000 M Ω • μ F		
Dissipation factor tan δ at 20 $^{\circ}$	$\leq 2.0 \cdot 10^{-3} (100 \text{ Hz})$		
Maximum rate of voltage rise dV/dt _{max}	10 V/μs		
Climatic data			
Climatic category	40/070/21		
Lower category T _{min}	-40 ℃		
Upper category T _{max}	+70 ℃		
Damp heat test t _{test}	21 days		
Mechanical and thermal properties of insulation terminal i	material		
Ball pressure test to IEC 60309-1 sec. 27.3	20 N at 125℃		
	V0 compatible		
UL 94 specification	vu compatible		
UL 94 specification Glow wire test to IEC60335-1 / IEC 60695-2-1/1 Test temperature 550 °C for I $_R \! < \! 0.5 A$ and 750 °C for I $_R \! > \! 0.5 A$	Self-extinguishing within 2 seconds of withdrawing glow wire		
Glow wire test to IEC60335-1 / IEC 60695-2-1/1 Test temperature 550 ℃ for I _R ≤0.5A and 750 ℃ for	Self-extinguishing within 2 seconds of		
Glow wire test to IEC60335-1 / IEC 60695-2-1/1 Test temperature 550 °C for I $_{\rm R}{<}0.5{\rm A}$ and 750 °C for I $_{\rm R}{>}0.5{\rm A}$	Self-extinguishing within 2 seconds of		
Glow wire test to IEC60335-1 / IEC 60695-2-1/1 Test temperature 550 $^{\circ}$ C for I $_{R}{<}0.5$ A and 750 $^{\circ}$ C for I $_{R}{>}0.5$ A	Self-extinguishing within 2 seconds of withdrawing glow wire		
Glow wire test to IEC60335-1 / IEC 60695-2-1/1 Test temperature 550 $^{\circ}$ C for I $_{R}{<}$ 0.5A and 750 $^{\circ}$ C for I $_{R}{>}$ 0.5A Compatibility to RoHS Compliance to directive 2002/95/EC	Self-extinguishing within 2 seconds of withdrawing glow wire		



Dimensional drawings CBB 66 (B33364) series







Ordering codes and packing units

					D: .		Pack-	
VR	CR	W	Т	S	Dimensions		ing	
V AC	μF	mm	mm	mm	$B \times A \times H$	Ordering code	units	UL
					mm		pcs	
	3	54.5	34.5	20	31.5×51.5×55	B33364-A3305-J050	120	
	4	54.5	34.5	20	31.5×51.5×55	B33364-A3405-J050	120	
	5	54.5	34.5	20	31.5×51.5×55	B33364-A3505-J050	120	
	6	54.5	34.5	20	31.5×51.5×55	B33364-A3605-J050	120	
	7	54.5	34.5	20	31.5×51.5×55	B33364-A3705-J050	120	
	7.5	54.5	34.5	20	31.5×51.5×55	B33364-A3755-J050	120	
	8	54.5	34.5	20	31.5×51.5×55	B33364-A3805-J050	120	
	10	54.5	34.5	20	31.5×51.5×65	B33364-A3106-J050	120	
	12	54.5	34.5	20	31.5×51.5×65	B33364-A3126-J050	120	
	12.5	54.5	34.5	20	31.5×51.5×75	B33364-A3126-J550	120	
	15	54.5	34.5	20	31.5×51.5×75	B33364-A3156-J050	120	
370	20	73	48	20	45×70×65	B33364-A3206-J050	60	
370	25	73	48	20	45×70×65	B33364-A3256-J050	60	
	30	73	48	20	45×70×75	B33364-A3306-J050	60	
	35	73	48	20	45×70×75	B33364-A3356-J050	60	
	40	73	48	20	45×70×85	B33364-A3406-J050	60	
	45	73	48	20	45×70×100	B33364-A3456-J050	60	
	50	73	48	20	45×70×100	B33364-A3506-J050	60	
440	3	54.5	34.5	20	31.5×51.5×55	B33364-A5305-J050	120	
	4	54.5	34.5	20	31.5×51.5×55	B33364-A5405-J050	120	
	5	54.5	34.5	20	31.5×51.5×55	B33364-A5505-J050	120	
	6	54.5	34.5	20	31.5×51.5×55	B33364-A5605-J050	120	
	7	54.5	34.5	20	31.5×51.5×65	B33364-A5705-J050	120	
	7.5	54.5	34.5	20	31.5×51.5×65	B33364-A5755-J050	120	
	8	54.5	34.5	20	31.5×51.5×65	B33364-A5805-J050	120	
	10	54.5	34.5	20	31.5×51.5×75	B33364-A5106-J050	120	
	12	54.5	34.5	20	31.5×51.5×75	B33364-A5126-J050	120	
	12.5	54.5	34.5	20	31.5×51.5×75	B33364-A5126-J550	120	
	15	73	48	20	45×70×65	B33364-A5156-J050	60	
	20	73	48	20	45×70×65	B33364-A5206-J050	60	
	25	73	48	20	45×70×75	B33364-A5256-J050	60	
	30	73	48	20	45×70×85	B33364-A5306-J050	60	
	35	73	48	20	45×70×100	B33364-A5356-J050	60	
	40	73	48	20	45×70×100	B33364-A5406-J050	60	



Film capacitors – AC capacitors

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EPCOS Feida Motor Run CapacitorsCBB66 - Single Capacitor P2 Aluminum Can Oval

45	93	51	20	48×90×75	B33364-A5456-J050	45	
50	93	51	20	48×90×85	B33364-A5506-J050	45	

U 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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