

EPCOS Feida Motor Run Capacitors

Series/Type: Ordering code:

Date: Version: **B33360 / 61/ 62 / 64** November 2009

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CBB66 - Single Capacitor P2 Aluminum Can Oval



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Construction

- Dielectric: polypropylene film
- Electrode: Metallized film
- Aluminum can, metal top
- Filling material: Vegetable oil, PCB free
- Insulator 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

■ 1+1, 2+2, 2+4, 4+4 fast-on terminal #250 style

Technical data and specifications						
Reference standards UL 810 / IEC 60252-1 / EIA 450						
Safety class to IEC 60252-1 2001-02	P2					
Life expectancy to IEC 60252 2001	250 450V: 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	$\pm 5\%$ other tolerances on request					
Rated voltage V _R	250 / 370 / 400 / 450VAC					
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 \cdot I _R (I _R = Rated current)					

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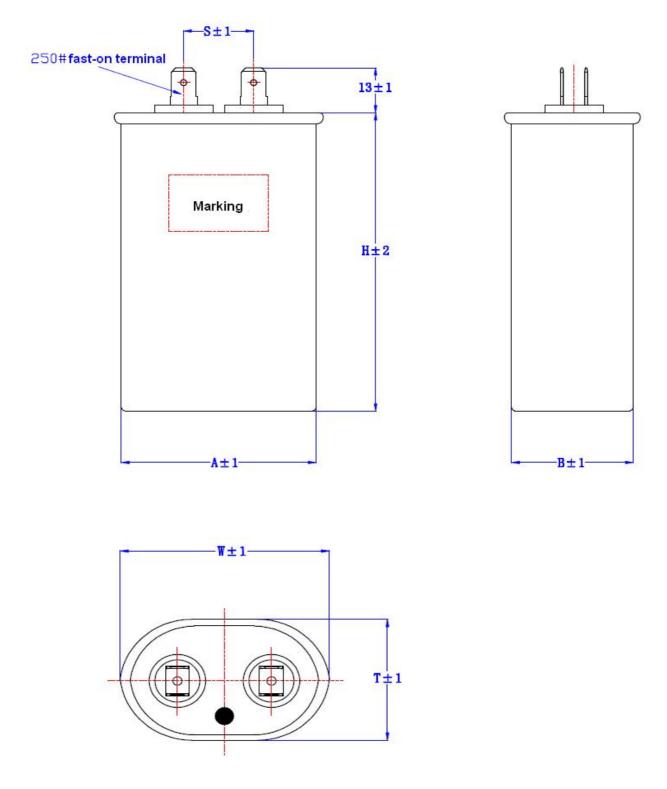
Test data			
AC test voltage terminal to terminal V_{TT}	2.0 · V _R , 10 s		
Insulation voltage terminals to case	3000 V AC, 2 s		
Insulation resistance R_{ins} or time constant τ at 20 °C, rel. Humidity \leq 65% (minimum as-delivered values)	10000 M Ω • μ F		
Dissipation factor tan δ at 20 °C	\leq 2.0 \cdot 10 ⁻³ (100 Hz)		
Maximum rate of voltage rise dV/dt _{max}	10 V/μs		
Climatic data			
Climatic category	40/070/21		
Lower category T _{min}	-40 °C		
Upper category T _{max}	+70 °C		
Damp heat test t _{test}	21 days		
Mechanical and thermal properties of insulation termina	al material		
Ball pressure test to IEC 60309-1 sec. 27.3	20 N at 125°C		
UL 94 specification	V0 compatible		
Glow wire test to IEC60335-1 / IEC 60695-2-1/1 Test temperature 550 °C for I _R \leq 0.5A and 750 °C for I _R $>$ 0.5A	Self-extinguishing within 2 seconds of withdrawing glow wire		
Compatibility to RoHS			
Compliance to directive 2002/95/EC	RoHS		
Approvals: See table for approved ratings			
C RI US UL 810 files E241095	Protected up to 5000 AFC		
250/300/370/400450Vac	-10,000 AFC under approval		



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Dimensional drawings CBB 66 (B3336*) series

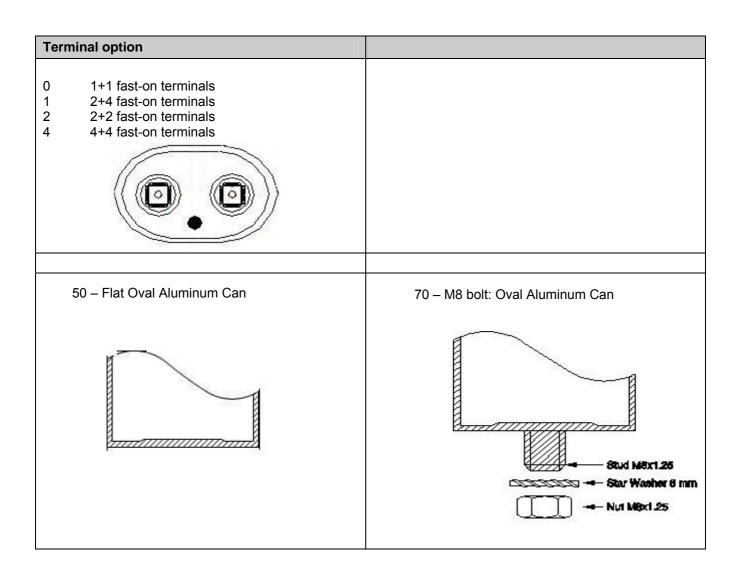


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Ordering codes and packing units

					Dimensione		Pack-	
VR	CR	W	Т	S	Dimensions B×A×H	Ordering code	ing	UL
V AC	μF	mm	mm	mm	mm		units	01
							pcs	
	3	54.5	34.5	20	31.5×51.5×55	B3336*-A1305-J0##	120	
	4	54.5	34.5	20	31.5×51.5×55	B3336*-A1405-J0##	120	
	5	54.5	34.5	20	31.5×51.5×55	B3336*-A1505-J0##	120	
	6	54.5	34.5	20	31.5×51.5×55	B3336*-A1605-J0##	120	
	7	54.5	34.5	20	31.5×51.5×55	B3336*-A1705-J0##	120	
	8	54.5	34.5	20	31.5×51.5×55	B3336*-A1805-J0##	120	
	10	54.5	34.5	20	31.5×51.5×65	B3336*-A1106-J0##	120	
250	12	54.5	34.5	20	31.5×51.5×65	B3336*-A1126-J0##	120	
230	15	54.5	34.5	20	31.5×51.5×65	B3336*-A1156-J0##	120	
	20	54.5	34.5	20	31.5×51.5×75	B3336*-A1206-J0##	120	
	25	54.5	34.5	20	31.5×51.5×75	B3336*-A1256-J0##	120	
	30	54.5	34.5	20	31.5×51.5×75	B3336*-A1306-J0##	120	
	35	73	48	20	45×70×65	B3336*-A1356-J0##	60	
	40	73	48	20	45×70×75	B3336*-A1406-J0##	60	
	45	73	48	20	45×70×75	B3336*-A1456-J0##	60	
	50	73	48	20	45×70×75	B3336*-A1506-J0##	60	
	3	54.5	34.5	20	31.5×51.5×55	B3336*-A3305-J0##	120	
	4	54.5	34.5	20	31.5×51.5×55	B3336*-A3405-J0##	120	
	5	54.5	34.5	20	31.5×51.5×55	B3336*-A3505-J0##	120	
	6	54.5	34.5	20	31.5×51.5×55	B3336*-A3605-J0##	120	
	7	54.5	34.5	20	31.5×51.5×55	B3336*-A3705-J0##	120	
	8	54.5	34.5	20	31.5×51.5×55	B3336*-A3805-J0##	120	
	10	54.5	34.5	20	31.5×51.5×65	B3336*-A3106-J0##	120	
	12	54.5	34.5	20	31.5×51.5×65	B3336*-A3126-J0##	120	
	15	54.5	34.5	20	31.5×51.5×75	B3336*-A3156-J0##	120	
	20	73	48	20	45×70×65	B3336*-A3206-J0##	60	
0.70	25	73	48	20	45×70×65	B3336*-A3256-J0##	60	
370	30	73	48	20	45×70×75	B3336*-A3306-J0##	60	
	35	73	48	20	45×70×75	B3336*-A3356-J0##	60	
	40	73	48	20	45×70×85	B3336*-A3406-J0##	60	
	45	73	48	20	45×70×100	B3336*-A3456-J0##	60	
	50	73	48	20	45×70×100	B3336*-A3506-J0##	60	
			.0					



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VR	CR	W	Т	S	Dimensions	Ordering code	Pack-	UL
V AC	μF	mm	mm	mm	$B \times A \times H$		ing	
					mm		units	
	3	54.5	34.5	20	31.5×51.5×55	B3336*-A4305-J0##	pcs 120	
	4	54.5 54.5	34.5	20	31.5×51.5×55	B3336*-A4405-J0##	120	
	5	54.5 54.5	34.5	20	31.5×51.5×55	B3336*-A4505-J0##	120	
	6				31.5×51.5×55	B3336*-A4605-J0##		
	7	54.5 54.5	34.5	20	31.5×51.5×55	B3336*-A4705-J0##	120 120	
			34.5	20	31.5×51.5×55			
	8	54.5	34.5	20		B3336*-A4805-J0##	120	
	10	54.5	34.5	20	31.5×51.5×65	B3336*-A4106-J0##	120	
	12	54.5	34.5	20	31.5×51.5×65	B3336*-A4126-J0##	120	
400	15	54.5	34.5	20	31.5×51.5×75	B3336*-A4156-J0##	120	
400	20	73	48	20	45×70×65	B3336*-A4206-J0##	60	
	25	73	48	20	45×70×65	B3336*-A4256-J0##	60	
	30	73	48	20	45×70×75	B3336*-A4306-J0##	60	
	35	73	48	20	45×70×75	B3336*-A4356-J0##	60	
	40	73	48	20	45×70×85	B3336*-A4406-J0##	60	
	45	73	48	20	45×70×100	B3336*-A4456-J0##	60	
	50	73	48	20	45×70×100	B3336*-A4506-J0##	60	
	3	54.5	34.5	20	31.5×51.5×55	B3336*-A6305-J0##	120	
	4	54.5	34.5	20	31.5×51.5×55	B3336*-A6405-J0##	120	
	5	54.5	34.5	20	31.5×51.5×55	B3336*-A6505-J0##	120	
	6	54.5	34.5	20	31.5×51.5×55	B3336*-A6605-J0##	120	
	7	54.5	34.5	20	31.5×51.5×65	B3336*-A6705-J0##	120	
	8	54.5	34.5	20	31.5×51.5×65	B3336*-A6805-J0##	120	
	10	54.5	34.5	20	31.5×51.5×75	B3336*-A6106-J0##	120	
450	12	54.5	34.5	20	31.5×51.5×75	B3336*-A6126-J0##	120	
450	15	73	48	20	45×70×65	B3336*-A6156-J0##	60	
	20	73	48	20	45×70×65	B3336*-A6206-J0##	60	
	25	73	48	20	45×70×75	B3336*-A6256-J0##	60	
	30	73	48	20	45×70×85	B3336*-A6306-J0##	60	
	35	73	48	20	45×70×100	B3336*-A6356-J0##	60	
	40	73	48	20	45×70×100	B3336*-A6406-J0##	60	
	45	93	51	20	48×90×75	B3336*-A6456-J0##	45	
	50	93	51	20	48×90×85	B3336*-A6506-J0##	45	



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- 1. For terminals replace (*) by:
 - 0 1+1 fast-on terminals
 - 1 2+4 fast-on terminals
 - 2 2+2 fast-on terminals
 - 4 4+4 fast-on terminals
- 2. For construction of mouting device replace (##) by:
 - 50 Flat Oval Aluminum Can
 - 70 M8 bolt: Oval Aluminum Can

▲ 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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 CBB60A-6/450
 CBB60A-6/450
 CBB60A-6/450
 CBB60A-6/450