

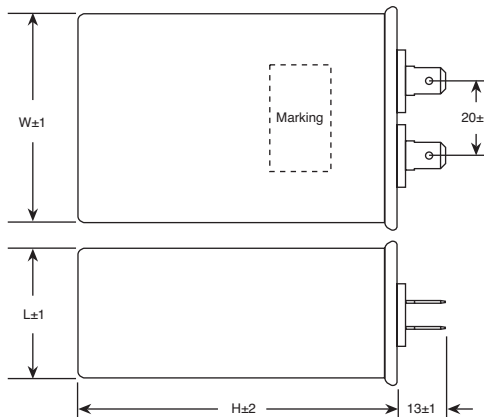
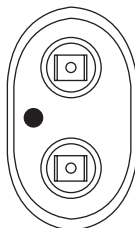
EPCOS Feida Motor Run Capacitors



This product is RoHS compliant.



DIMENSIONS: mm



EPCOS FEIDA MOTOR RUN CAPACITORS CBB66 - SINGLE CAPACITOR P2 ALUMINUM CAN OVAL

The EPCOS Feida Motor Run Capacitors are constructed of polypropylene film (dielectric), metallized film (electrode), with an aluminum can and metal top. Filled with PCB-free vegetable oil, the insulator material meets IEC 60335-1. The EPCOS Feida Motor Run Capacitors feature self-healing properties, a low dissipation factor, an overpressure disconnection device, and high insulation resistance. The Motor Run Capacitors meet the highest safety level P2 to IEC 60252-1 2001-02 and is IEC/EN 60335 compatible. For general sine wave applications, mainly as motor run capacitors.

Features:

- Safety Devices: Self-healing properties; Overpressure disconnector
- Low dissipation factor
- Highest safety level P2 to IEC 60252-1 2001-02
- High insulation resistance
- IEC/EN 60335 compatible
- Metal can, metal top, oval shape
- Voltage range: 250 - 450VAC
- Capacitance range: 3 - 50µF
- Temperature: -40°C to +85°C
- Low losses
- RoHS Compatible to directive 202/95/EC

Typical Applications:

- For general sine wave applications, mainly as motor run capacitor

Main Applications:

- General purpose
- Air conditioning
- Household appliances

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: 250 - 450V: 10,000h (Class B)
- Life expectancy to EIA 456 A Jan. 89: 60,000 hours at 95% survival rate
- Rated capacitance CR: 3 - 50µF
- Rated voltage V_R : 250 / 370 / 400 / 450VAC
- Rated frequency f_R : 50/60 Hz

Test Data:

- AC test voltage terminal to terminal V_{TT} : 2.0 V_R , 10s
- Insulation voltage terminals to case: 3000 V AC, 2s
- Insulation resistance R_{ins} or time constant at 20°C, rel. Humidity $\leq 65\%$ (minimum as-delivered values): 10,000 MΩ µF
- Life expectancy to EIA 456 A Jan. 89: 60,000 hours at 95% survival rate
- Dissipation factor at 20°C: $\leq 2.0 \cdot 10^{-3}$ (100Hz)
- Maximum rate of voltage rise dV/dt_{max} : 10 V/µs

Construction:

- Dielectric: polypropylene film
- Electrode: Metallized film
- Aluminum can, metal top
- Filling material: Vegetable oil, PCB free
- Insulator material as per IEC 60335-1

Terminals:

- 4+4 fast-on terminal #250 styl

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)

Climatic Data:

- Climatic category: 40/070/21

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Epcos Part No.	Value (µF)	Voltage (VAC)	Tolerance	Max. Dimensions: mm			Lead Spacing (mm)	Price Each			
					W	H	L		1	30	60	120
871-B33364A3305J050	B33364A3305J050	3	370	±5%	51.5	55	31.5	20	4.98	3.83	3.48	3.16
871-B33364A3405J050	B33364A3405J050	4	370	±5%	51.5	55	31.5	20	5.10	3.92	3.56	3.24
871-B33364A3505J050	B33364A3505J050	5	370	±5%	51.5	55	31.5	20	5.19	3.99	3.63	3.30
871-B33364A3605J050	B33364A3605J050	6	370	±5%	51.5	55	31.5	20	5.54	4.26	3.87	3.52
871-B33364A3755J050	B33364A3755J050	7	370	±5%	51.5	55	31.5	20	5.67	4.36	3.96	3.60
871-B33364A3805J050	B33364A3805J050	8	370	±5%	51.5	55	31.5	20	5.80	4.46	4.05	3.68
871-B33364A3106J050	B33364A3106J050	10	370	±5%	51.5	65	31.5	20	6.40	4.92	4.47	4.06
871-B33364A3126J550	B33364A3126J550	12	370	±5%	51.5	65	31.5	20	7.05	5.42	4.93	4.48
871-B33364A3156J050	B33364A3156J050	15	370	±5%	51.5	75	31.5	20	8.31	6.39	5.81	5.28
871-B33364A3206J050	B33364A3206J050	20	370	±5%	70.0	65	45.0	20	9.82	7.55	6.86	6.24
871-B33364A3256J050	B33364A3256J050	25	370	±5%	70.0	65	45.0	20	10.83	8.33	7.95	6.88
871-B33364A3306J050	B33364A3306J050	30	370	±5%	70.0	75	45.0	20	13.00	10.00	9.54	8.26
871-B33364A3356J050	B33364A3356J050	35	370	±5%	70.0	75	45.0	20	13.74	10.57	10.05	8.74
871-B33364A3406J050	B33364A3406J050	40	370	±5%	70.0	85	45.0	20	14.85	11.42	10.94	9.44
871-B33364A3456J050	B33364A3456J050	45	370	±5%	70.0	100	45.0	20	16.35	12.58	11.44	10.40
871-B33364A3506J050	B33364A3506J050	50	370	±5%	70.0	100	45.0	20	18.72	14.40	13.91	11.90
871-B33364A5305J050	B33364A5305J050	3	440	±5%	51.5	55	31.5	20	6.16	4.74	4.31	3.92
871-B33364A5405J050	B33364A5405J050	4	440	±5%	51.5	55	31.5	20	7.05	5.42	4.93	4.48
871-B33364A5505J050	B33364A5505J050	5	440	±5%	51.5	55	31.5	20	13.85	10.65	9.68	8.80
871-B33364A5605J050	B33364A5605J050	6	440	±5%	51.5	55	31.5	20	16.35	12.58	11.44	10.40
871-B33364A5755J050	B33364A5755J050	7	440	±5%	51.5	55	31.5	20	18.56	14.28	12.98	11.80
871-B33364A5805J050	B33364A5805J050	8	440	±5%	51.5	55	31.5	20	20.45	15.73	14.30	13.00
871-B33364A5106J050	B33364A5106J050	10	440	±5%	51.5	65	31.5	20	11.19	8.61	7.83	7.12
871-B33364A5126J550	B33364A5126J550	12	440	±5%	51.5	65	31.5	20	12.58	9.68	8.80	8.00
871-B33364A5156J050	B33364A5156J050	15	440	±5%	51.5	75	31.5	20	6.80	6.70	6.64	5.41
871-B33364A5206J050	B33364A5206J050	20	440	±5%	70.0	65	45.0	20	8.50	8.35	8.23	6.71
871-B33364A5256J050	B33364A5256J050	25	440	±5%	70.0	65	45.0	20	9.60	9.45	9.39	7.65
871-B33364A5306J050	B33364A5306J050	30	440	±5%	70.0	75	45.0	20	10.65	10.45	10.30	8.40
871-B33364A5356J050	B33364A5356J050	35	440	±5%	70.0	75	45.0	20	11.60	11.40	11.21	9.13
871-B33364A5406J050	B33364A5406J050	40	440	±5%	70.0	85	45.0	20	12.50	12.30	12.12	9.88
871-B33364A5456J050	B33364A5456J050	45	440	±5%	70.0	100	45.0	20	13.95	13.80	13.76	11.21
871-B33364A5506J050	B33364A5506J050	50	440	±5%	70.0	100	45.0	20	15.50	15.30	15.16	12.36