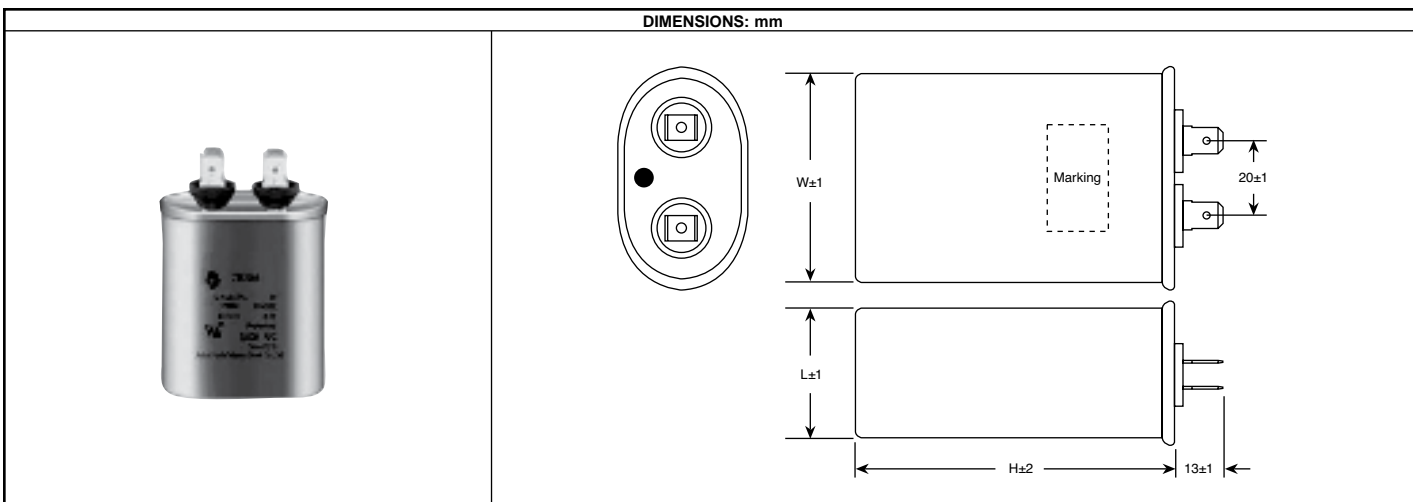


EPCOS Feida Motor Run Capacitors

RoHS Compliant  This product is RoHS compliant.



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 ≤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: ≤2.0 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 style

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 of 240 and up, 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 | | | | |
| 871-B33364A3405J050 | B33364A3405J050 | 4 | 370 | ±5% | 51.5 | 55 | 31.5 | 20 | | | | |
| 871-B33364A3505J050 | B33364A3505J050 | 5 | 370 | ±5% | 51.5 | 55 | 31.5 | 20 | | | | |
| 871-B33364A3605J050 | B33364A3605J050 | 6 | 370 | ±5% | 51.5 | 55 | 31.5 | 20 | | | | |
| 871-B33364A3755J050 | B33364A3755J050 | 7 | 370 | ±5% | 51.5 | 55 | 31.5 | 20 | | | | |
| 871-B33364A3805J050 | B33364A3805J050 | 8 | 370 | ±5% | 51.5 | 55 | 31.5 | 20 | | | | |
| 871-B33364A3106J050 | B33364A3106J050 | 10 | 370 | ±5% | 51.5 | 65 | 31.5 | 20 | | | | |
| 871-B33364A3126J550 | B33364A3126J550 | 12 | 370 | ±5% | 51.5 | 65 | 31.5 | 20 | | | | |
| 871-B33364A3156J050 | B33364A3156J050 | 15 | 370 | ±5% | 51.5 | 75 | 31.5 | 20 | | | | |
| 871-B33364A3206J050 | B33364A3206J050 | 20 | 370 | ±5% | 70.0 | 65 | 45.0 | 20 | | | | |
| 871-B33364A3256J050 | B33364A3256J050 | 25 | 370 | ±5% | 70.0 | 65 | 45.0 | 20 | | | | |
| 871-B33364A3306J050 | B33364A3306J050 | 30 | 370 | ±5% | 70.0 | 75 | 45.0 | 20 | | | | |
| 871-B33364A3356J050 | B33364A3356J050 | 35 | 370 | ±5% | 70.0 | 75 | 45.0 | 20 | | | | |
| 871-B33364A3406J050 | B33364A3406J050 | 40 | 370 | ±5% | 70.0 | 85 | 45.0 | 20 | | | | |
| 871-B33364A3456J050 | B33364A3456J050 | 45 | 370 | ±5% | 70.0 | 100 | 45.0 | 20 | | | | |
| 871-B33364A3506J050 | B33364A3506J050 | 50 | 370 | ±5% | 70.0 | 100 | 45.0 | 20 | | | | |
| 871-B33364A5305J050 | B33364A5305J050 | 3 | 450 | ±5% | 51.5 | 55 | 31.5 | 20 | | | | |
| 871-B33364A5405J050 | B33364A5405J050 | 4 | 450 | ±5% | 51.5 | 55 | 31.5 | 20 | | | | |
| 871-B33364A5505J050 | B33364A5505J050 | 5 | 450 | ±5% | 51.5 | 55 | 31.5 | 20 | | | | |
| 871-B33364A5605J050 | B33364A5605J050 | 6 | 450 | ±5% | 51.5 | 55 | 31.5 | 20 | | | | |
| 871-B33364A5755J050 | B33364A5755J050 | 7 | 450 | ±5% | 51.5 | 55 | 31.5 | 20 | | | | |
| 871-B33364A5805J050 | B33364A5805J050 | 8 | 450 | ±5% | 51.5 | 55 | 31.5 | 20 | | | | |
| 871-B33364A5106J050 | B33364A5106J050 | 10 | 450 | ±5% | 51.5 | 65 | 31.5 | 20 | | | | |
| 871-B33364A5126J550 | B33364A5126J550 | 12 | 450 | ±5% | 51.5 | 65 | 31.5 | 20 | | | | |
| 871-B33364A5156J050 | B33364A5156J050 | 15 | 450 | ±5% | 51.5 | 75 | 31.5 | 20 | | | | |
| 871-B33364A5206J050 | B33364A5206J050 | 20 | 450 | ±5% | 70.0 | 65 | 45.0 | 20 | | | | |
| 871-B33364A5256J050 | B33364A5256J050 | 25 | 450 | ±5% | 70.0 | 65 | 45.0 | 20 | | | | |
| 871-B33364A5306J050 | B33364A5306J050 | 30 | 450 | ±5% | 70.0 | 75 | 45.0 | 20 | | | | |
| 871-B33364A5356J050 | B33364A5356J050 | 35 | 450 | ±5% | 70.0 | 75 | 45.0 | 20 | | | | |
| 871-B33364A5406J050 | B33364A5406J050 | 40 | 450 | ±5% | 70.0 | 85 | 45.0 | 20 | | | | |
| 871-B33364A5456J050 | B33364A5456J050 | 45 | 450 | ±5% | 70.0 | 100 | 45.0 | 20 | | | | |
| 871-B33364A5506J050 | B33364A5506J050 | 50 | 450 | ±5% | 70.0 | 100 | 45.0 | 20 | | | | |