



Film Capacitor- AC Capacitors

Fan Motor Run Capacitors

440V; class C; 85 °C

Series/Type: B32415G

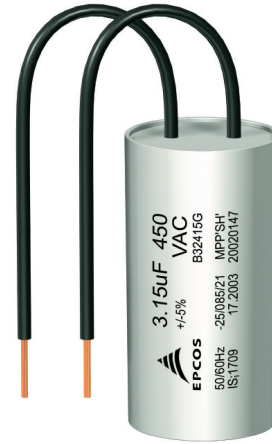
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Fan motor run Capacitor
Construction

- Dielectric: polypropylene film
- Plastic case
- Polyurethane resin

Features

- Self-healing properties
- Low dissipation factor
- High insulation resistance


Typical applications

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

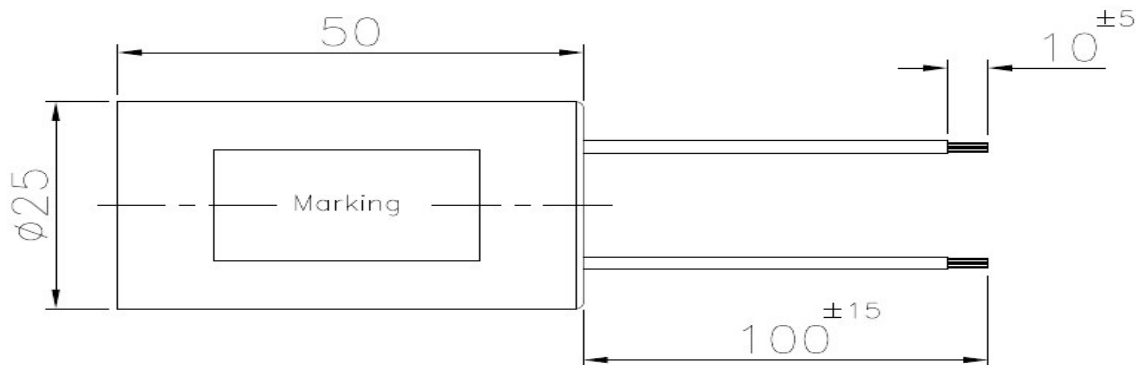
Terminals

- Flexible wire terminals
- Receptacles on request: crimped to the end of flexible wires

| Technical data and specifications | |
|--|--|
| Reference standards | IEC 60252 / IS 1709 |
| Safety class to | P0 |
| Life expectancy | 440V/85 °C: 3,000h (class C) |
| Rated capacitance C_R | See dimensions table |
| Tolerance | ±5%, other tolerances upon request |
| Rated voltage V_R | 440 V AC |
| 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} | $2 \cdot V_R, 2 \text{ s}$ |
| Insulation resistance R_{ins} or time constant τ at 20 °C, rel. Humidity $\leq 65\%$ (minimum as-delivered values) | 3,000 s |
| Dissipation factor $\tan \delta$ at 20 °C | $\leq 1.0 \cdot 10^{-3}$ (120 Hz) |
| Maximum rate of voltage rise dV/dt_{max} | 10 V/ μ s |
| 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 |

Dimensional drawings



Ordering codes and packing units

| U_n Vac | C_n μF | Max. Dimension $d \times l$ (mm) | Ordering code | Packing unit (pcs.) |
|--------------|------------------------|-------------------------------------|-----------------|---------------------|
| 440 | 1.00 | 25X50 | B32415G5105J023 | 100 |
| | 1.50 | 25X50 | B32415G5155J023 | 100 |
| | 2.00 | 25X50 | B32415G5205J023 | 100 |
| | 2.25 | 25X50 | B32415G5225J023 | 100 |
| | 2.50 | 25X50 | B32415G5255J023 | 100 |
| | 3.00 | 25X50 | B32415G5305J023 | 100 |
| | 3.15 | 25X50 | B32415G5315J023 | 100 |
| | 4.00 | 25X50 | B32415G5405J023 | 100 |

⚠ Please read "Applications warning, installation and maintenance instructions" and the "General Safety Data Sheet for Power Capacitors" issued by ZVEI, 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. You are kindly requested to approve our product specifications or request our approval for your specification before ordering

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