

# Film Capacitors

## AC Capacitors

### MotorCap DUAL RUN



|                       |                                                                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Series</b>         | MotorCap DUAL RUN - Plastic TOP<br>B32335                                                                                                                        |
| <b>Technical data</b> | Type : Motor Run Capacitor<br>Voltage range : 450 Vrms<br>Capacitance : 10+1...60+10 µF<br>Construction : Aluminum can with plastic top<br>Safety Class : P2(S2) |
| <b>Applications</b>   | <ul style="list-style-type: none"> <li>For general sine wave applications, mainly as motor run capacitor</li> </ul>                                              |

### MotorCap DUAL RUN

#### Technical data : MotorCap DUAL RUN

|                                           |                                                                        |
|-------------------------------------------|------------------------------------------------------------------------|
| Series type                               | B32335                                                                 |
| Terminal                                  | Single/ double fast-on Quadruple fast-on (4 lugs)                      |
| <b>Electrical Ratings</b>                 |                                                                        |
| Rated Voltage $V_n$                       | 250,450 (Refer table) (Others on request)                              |
| Rated Capacitance                         | 10 +1...60 +10 µF (Others on request)                                  |
| Rated frequency                           | 50/60 Hz                                                               |
| Capacitance tolerance                     | ± 5 (Others on request)                                                |
| Maximum permissible voltage ( $V_{Max}$ ) | 1.1 ( $V_n$ )                                                          |
| Maximum permissible current ( $I_{Max}$ ) | 1.3 ( $I_n$ )                                                          |
| Dissipation factor $\delta'$ (20°C, 1kHz) | ≤ 7.0 • 10 <sup>-3</sup>                                               |
| Application                               | For general sine wave applications, mainly for motor start application |

#### Safety

|                                               |                                         |
|-----------------------------------------------|-----------------------------------------|
| Safety class                                  | S2 to IEC 60252-1 / P2 to IS 2993: 1998 |
| Life expectancy to IEC 60252-1 / IS 2993:1998 | 450 V AC: Class B/C/D, 85 °C            |

#### Climatic parameter to IEC 60068 - 1

|                                      |         |
|--------------------------------------|---------|
| Lower category temperature $T_{min}$ | -25 °C  |
| Upper category temperature $T_{max}$ | +85 °C  |
| Damp heat test $t_{test}$            | 21 days |

#### Construction

|                     |                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------|
| Reference Standards | IEC 60252-1+A1:2013, IS 2993:1998                                                                               |
| Aluminum can        | Aluminum case                                                                                                   |
| Terminal top        | UL 94 compatible minimum V2, compliance to IEC 60335-1 on request and optional Glow wire test to IEC 60695-2-11 |
| Dimension in mm     | Refer Table (Others on request)                                                                                 |

#### Approvals (Can be Offered on Specific Requirement)

|     |                                                     |
|-----|-----------------------------------------------------|
| ISI | 450 V AC: Class B/C/D, 85 °C                        |
| CE  | Compliance to LV directive 2014/35/EU (On request)  |
| CQC | Approval on request                                 |
| UL  | Approved component 10000 AFC, protected up to 450 V |
| TÜV | 10+1...60+10 µF, 450 V AC: Class B, 85 °C           |

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|-------------------|------------------|----------|----------|-------------|---------------|--------------------|---------------|
| Series            | Part Code        | Ø D x H  | MFD (nF) | Voltage (V) | Approval      | Class of operation | Terminal Type |
| B32335I           | B32335I6346J 60  | 45 x 80  | 30+4     | 450         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5366J 50  | 45 x 80  | 30+6     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I6376J 61  | 45 x 80  | 35+2.0   | 450         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5376J 550 | 45 x 80  | 35+2.5   | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5396J 50  | 45 x 80  | 35+4     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5416J 51  | 45 x 80  | 35+6     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I4426J 50  | 45 x 80  | 36+6     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I6426J 60  | 45 x 93  | 40+2.0   | 450         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5446J 51  | 45 x 103 | 40+4     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5466J 50  | 45 x 93  | 40+6     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I4476J 51  | 45 x 92  | 45+2     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5496J 50  | 45 x 103 | 45+4     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5516J 51  | 45 x 93  | 45+6     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5526J 50  | 45 x 103 | 50+2     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5526J 550 | 45 x 103 | 50+2.5   | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5546J 52  | 45 x 103 | 50+4     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5556J 51  | 45 x 103 | 50+5     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I4596J 51  | 45 x 103 | 55+4     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I4616J 50  | 45 x 103 | 55+6     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5656J 50  | 53 x 105 | 55+10    | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I6626J 60  | 53 x 95  | 60+2.0   | 450         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I6646J 60  | 53 x 95  | 60+4.0   | 450         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I6276J61   | 45 x 80  | 25+2     | 450         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I4296J50   | 45 x 80  | 25+4     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I6326J63   | 45 x 80  | 30+2     | 450         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5456J50   | 45 x 103 | 35+10    | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5386J50   | 45 x 80  | 35+3     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I6436J60   | 45 x 103 | 40+3     | 450         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5456J55   | 53 x 80  | 40+5     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5486J50   | 45 x 105 | 45+3     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5506J52   | 53 x 80  | 45+5     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5536J50   | 45 x 105 | 50+3     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I6566J50   | 45 x 105 | 50+6     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5586J50   | 45 x 105 | 55+3     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5586J560  | 53 x 107 | 55+3.5   | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5636J561  | 53 x 107 | 60+3.5   | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I6666J50   | 53 x 107 | 60+6     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5686J61   | 53 x 107 | 65+3     | 440         | UL,ISI,TUV,CE | B                  | A             |
|                   | B32335I5696J60   | 53 x 107 | 65+4     | 440         | UL,ISI,TUV,CE | B                  | A             |

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## Dimensional Drawing

### Terminal Type A

