Technical Data Sheet

Electrical Specifications

Capacitance/Tolerance: 215 µF, ±10%

DC Voltage Rating: 900 VDC

Dielectric/Construction: Metallized Polypropylene film. Single section design

Dielectric Withstand Voltage: Units 100% tested at a DC potential of 1125 Volts for two minutes at +25°C

ESR vs. Frequency:
Electrical Specifications (cont’d)

ESL: Less than 5 nH in a suitable laminar bus structure

Thermal resistance: 1.48°C/W (case side cooling only)
1.09°C/W (case and bus side cooling)

Operating Temperature: -40°C to +85°C at full DC voltage rating

Voltage, Temperature De-rating: De-rate voltage linearly to 700 Volts from +85°C to +107°C, with respect to hotspot temperature

System Fault Current Rating: 10,000 Amps maximum (external to the capacitor)

RMS Current Rating:
Mechanical Specifications

Dimensions: See Layout Drawing below for details.
Terminals: Tin plated copper, 0.032" thick
Encapsulation: Molded polymeric case potted with RTV silicone
Marking:

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBE</td>
<td>SBE Company Identification</td>
</tr>
<tr>
<td>700D406</td>
<td>Unique SBE Part Number</td>
</tr>
<tr>
<td>215 μF ±10%</td>
<td>Capacitance value and Tolerance</td>
</tr>
<tr>
<td>900 VDC</td>
<td>DC Voltage Rating</td>
</tr>
<tr>
<td>yyww-lot#-unit</td>
<td>Serial Number (date code, lot number, unit number)</td>
</tr>
</tbody>
</table>

NOTES:
1. All Hole Positions Inspected
2. All Dimensions Inspected Unless Marked As Reference

<table>
<thead>
<tr>
<th>REV.</th>
<th>DESCRIPTION</th>
<th>CHKD BY</th>
<th>CHK'D BY</th>
<th>APPR'D BY</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Initial Release</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02</td>
<td>Standardized Layout View</td>
<td>AGH</td>
<td>DMB</td>
<td>MSB</td>
<td>12/4/2010</td>
</tr>
</tbody>
</table>

SBE Inc. Power Ring Division
81 Parker Road • Barre, VT 05641 USA
Tel: 802-476-4146 • Fax: 802-661-3950
Email: PowerRing@SBElectronics.com
Web: www.SBElectronics.com

At the Leading Edge of Film Capacitor Technology™