Bourns Multifuse Product Line Announces New High Temperature PPTC Resettable Fuses

**Model MF-MSHT Series**

*Riverside, California – February 5, 2021* – The Bourns Multifuse Product Line is pleased to announce the release of the new **Model MF-MSHT Series** High Temperature Surface Mount Polymer Positive Temperature Coefficient (PPTC) Resettable Fuses. The new series provides I\text{hold} current ratings from 0.20 A to 1.75 A at the 9 V ~ 42 V maximum rated voltage and a maximum operating temperature up to +125 °C.

The addition of the new Model MF-MSHT series provides a broader standard high temperature PPTC offering to customers with high working temperature and power rating requirements. The new Bourns® Model MF-MSHT series utilizes Bourns’ innovative freeXpansion™ design that increases the performance of the resettable fuse with:

- Higher hold current ratings (I\text{hold})
- Higher maximum voltage ratings (V\text{max})
- Improved resistance stability
- Smaller footprints

<table>
<thead>
<tr>
<th>Series</th>
<th>Size (EIA)</th>
<th>I\text{hold} (A)</th>
<th>I\text{max} (A)</th>
<th>V\text{max} (V)</th>
<th>Operating Temperature</th>
<th>RoHS Compliant*</th>
<th>Agency Recognition</th>
</tr>
</thead>
<tbody>
<tr>
<td>MF-MSHT</td>
<td>1812</td>
<td>0.20 – 1.75</td>
<td>40</td>
<td>9 ~ 42</td>
<td>-40 °C to +125 °C</td>
<td>Yes</td>
<td>cUL and TÜV</td>
</tr>
</tbody>
</table>

The new model MF-MSHT series Multifuse® PPTC products are RoHS compliant* and are produced in Bourns’ IATF 16949 certified facility in Xiamen, China.

**Features**

- Operating temperature range up to +125 °C
- Higher hold currents at elevated temperatures
- Low thermal derating factor
- Standard 1812 footprint size with low profile for space-constrained applications
- RoHS compliant*
- cUL and TÜV recognized

**Applications**

- Overcurrent surge protection of electronic equipment required to operate at high operating temperature ranges
- Robust resettable fault protection for industrial transportation, communication, security and consumer electronic equipment
