

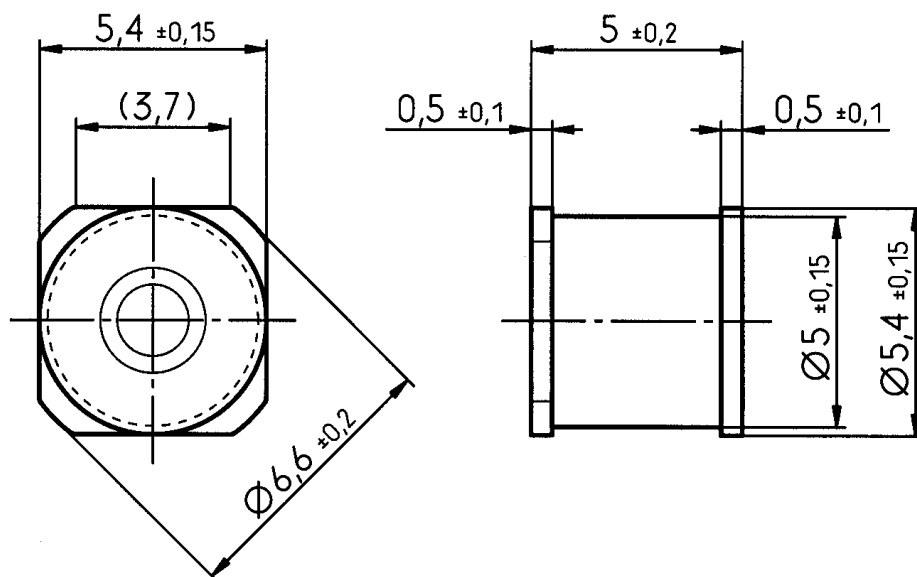
**Surge Arrester**
**M50-C90XSMD**
**2-Electrode-Arrester**
**Ordering code: B88069X1640T902**

|                                                                                                             |                                                                                                |        |
|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------|
| DC spark-over voltage <sup>1) 2)</sup>                                                                      | 90<br>± 20                                                                                     | V<br>% |
| Impulse spark-over voltage<br>at 100 V/μs - for 99 % of measured values<br>- typical values of distribution | < 450<br>< 350                                                                                 | V<br>V |
| at 1 kV/μs - for 99 % of measured values<br>- typical values of distribution                                | < 600<br>< 550                                                                                 | V<br>V |
| Nominal impulse discharge current (wave 8/20 μs)                                                            | 5                                                                                              | kA     |
| Single impulse discharge current (wave 8/20 μs)                                                             | 10                                                                                             | kA     |
| Nominal alternating discharge current (50 Hz, 1 s)                                                          | 5                                                                                              | A      |
| Alternating discharge current (50 Hz, 9 cycles)                                                             | 10                                                                                             | A      |
| Insulation resistance at 50 V <sub>dc</sub>                                                                 | > 1                                                                                            | GΩ     |
| Capacitance at 1 MHz                                                                                        | < 1                                                                                            | pF     |
| Arc voltage at 1 A                                                                                          | ~ 15                                                                                           | V      |
| Glow to arc transition current                                                                              | ~ 0.8                                                                                          | A      |
| Glow voltage                                                                                                | ~ 60                                                                                           | V      |
| Weight                                                                                                      | ~ 1                                                                                            | g      |
| Operation and storage temperature                                                                           | -40 ... +90                                                                                    | °C     |
| Climatic category (IEC 60068-1)                                                                             | 40/ 90/ 21                                                                                     |        |
| Marking, blue                                                                                               | <b>EPCOS 90 YY O</b><br>90 - Nominal voltage<br>YY - Year of production<br>O - Non radioactive |        |

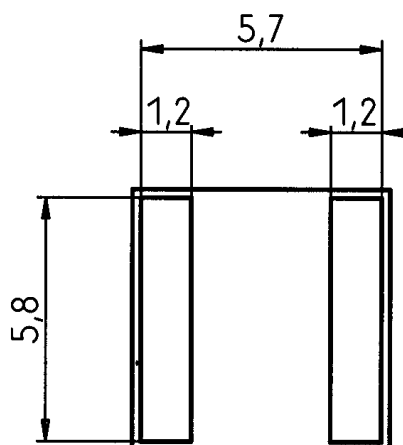
<sup>1)</sup> At delivery AQL 0.65 level II, DIN ISO 2859

<sup>2)</sup> In ionized mode

Terms in accordance with ITU-T Rec. K.12 and DIN 57845/VDE0845



tin-plated



empfohlene Lötflächen /  
recommended pad outline

*Not to scale*

*Dimensions in mm*

*Non controlled document*

SMD-Gurtverpackung nach IEC 60286-3 /

*Tape and reel packing comply with the specification of IEC 60286-3*

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