

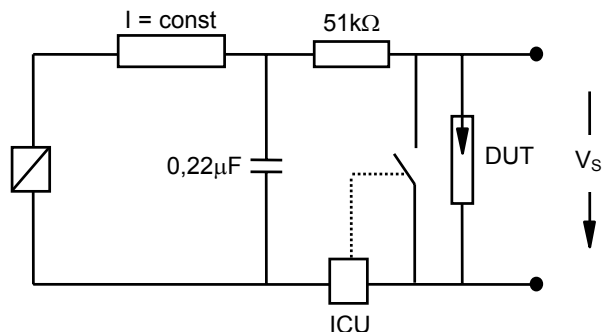
|  |  |               |
|--|--|---------------|
| Nominal breakdown voltage $V_N$                              | 800  | V             |
| Initial values <sup>2)</sup>                                 |  |               |
| Static breakdown voltage $V_S$ <sup>1)</sup>                 |  |               |
| First ignition value $V_{S, FTE}$ after 24 hours in darkness | $\leq 950$   | V             |
| Following ignition values $V_{S, FIV}$                       | 704 ... 896  | V             |
| Electrical life time <sup>3)</sup>                           |  |               |
| Breakdown voltage $V_B$                                      |  |               |
| First ignition value $V_{B, FTE}$ after 24 hours in darkness | $\leq 1000$  | V             |
| Ignition time $t_i$ at $V_0$ during life                     | $\leq 60$  | ms            |
| Following ignition values $V_{B, FIV}$                       | 680 ... 920  | V             |
| Switching operations   |  |               |
| at $-40\text{ }^\circ\text{C}$                               | 200 000  | Ignitions     |
| at $+25; 125; 155\text{ }^\circ\text{C}$                     | 400 000  | Ignitions     |
| Test circuit parameters                                      |  |               |
| Open circuit voltage $V_0$                                   | 1000   | V             |
| Loading resistance R   | 41   | k $\Omega$    |
| Discharge capacitance C                                      | 70   | nF            |
| Inductance L   | 0.39   | $\mu\text{H}$ |
| General technical data                                       |  |               |
| Insulation resistance at 100 V                               | $> 100$  | M $\Omega$    |
| Early ignition values below 680 V                            | $\leq 1$   | %             |
| Breakdown time   | $\leq 50$  | ns            |
| Maximum switching frequency                                  | 400  | Hz            |
| Maximum loading current                                      | 50   | mA            |
| Weight   | $\sim 2$   | g             |
| Dipping in solder bath at $260\text{ }^\circ\text{C}$        | 10   | s             |
| Marking, blue  | <b>EPCOS 800 WWY O</b><br>800 - Nominal voltage<br>WW - Calendar week of production<br>Y - Year of production<br>O - Non radioactive |               |

<sup>1)</sup> At delivery AQL 0,65 level II, DIN ISO 2859

<sup>2)</sup> Page 2, Fig. 1 and 2

<sup>3)</sup> Page 2, Fig. 3 and 4

Fig. 1: QC- test circuit (100% outgoing inspection)



DUT device under test  
 ICU ignition control unit (sensitivity 10 .. 30 µA)  
 Discharge current 10 – 20 mA

Fig. 2: Explanation of measurands

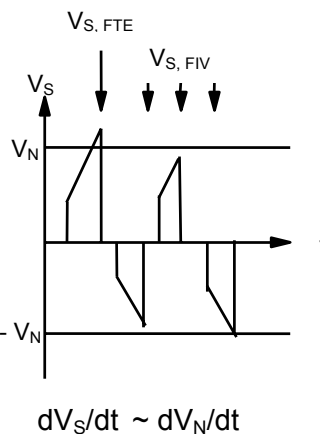
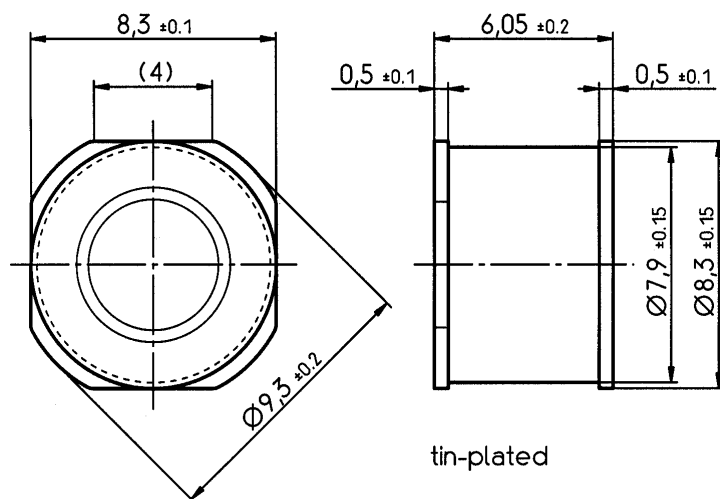
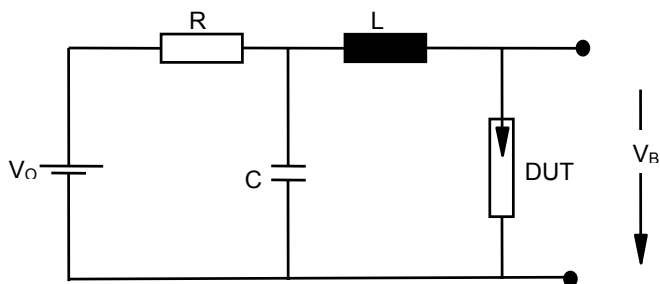
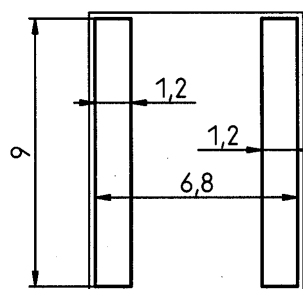
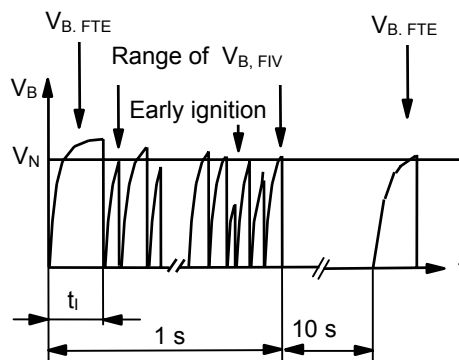


Fig. 3: QC- test circuit (sampling inspection at 25 °C)



tin-plated

Fig. 4: Explanation of measurands



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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