

| | | |
|--|------------------------|-------------------------------|
| Nominal breakdown voltage V_N | 400 | V |
| Initial values | | |
| Static breakdown voltage V_S ^{1) 2)} | | |
| First ignition value $V_{S, FTE}$ after 24 hours in darkness | ≤ 460 | V |
| Following ignition values (selection limits) | 360 ... 420 | V |
| Following ignition values $V_{S, FIV}$ | 350 ... 430 | V |
| Breakdown voltage V_B (measuring time 200 ms) ⁴⁾ | | |
| First ignition value $V_{B, FTE}$ | ≤ 460 | V |
| Following ignition values $V_{B, FIV}$ | 340 ... 460 | V |
| Electrical life time ³⁾ | | |
| Breakdown voltage V_B | | |
| First ignition value $V_{B, FTE}$ initial after 24 hours in darkness | ≤ 460 | V |
| First ignition value $V_{B, FTE}$ after 24 hours in darkness | ≤ 500 | V |
| Following ignition values $V_{B, FIV}$ | 340 ... 460 | V |
| Switching operations | | |
| at - 40 °C Ignition time t_i ≤ 60 ms ⁵⁾ | 60 000 | Ignitions |
| at - 40 °C Ignition time t_i ≤ 200 ms | 100 000 | Ignitions |
| at +25 °C Ignition time t_i ≤ 60 ms | 100 000 | Ignitions |
| at +25 °C Ignition time t_i ≤ 200 ms | 200 000 | Ignitions |
| at +125 °C Ignition time t_i ≤ 60 ms | 200 000 | Ignitions |
| Test circuit parameters | | |
| Open circuit voltage V_0 | 500 | V |
| Loading resistance R | 10 | kΩ |
| Discharge capacitance C | 680 | nF |
| Inductance L | 0.5 | μH |
| Discharge peak current I_p | ~ 500 | A |
| General technical data | | |
| Insulation resistance at 100 V | > 100 | MΩ |
| Early ignition values below 340 V | ≤ 2 | % |
| Breakdown time | ≤ 50 | ns |
| Maximum switching frequency | 200 | Hz |
| Maximum loading current | 50 | mA |
| Weight | ~ 2 | g |
| Marking, blue | EPCOS 400 WWY O | |
| | 400 | - Nominal voltage |
| | WW | - Calendar week of production |
| | Y | - Year of production |
| | O | - Non radioactive |

¹⁾ At delivery AQL 0,65 level II, DIN ISO 2859

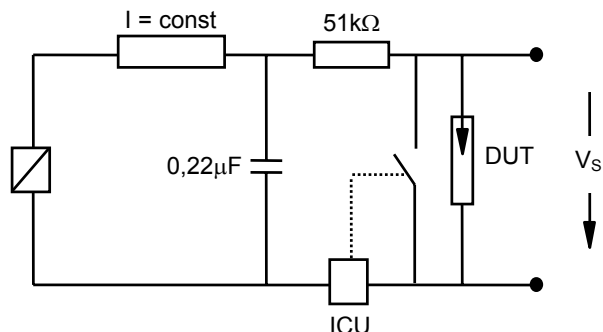
²⁾ Page 2, Fig. 1 and 2

³⁾ Page 2, Fig. 3 and 4

⁴⁾ Page 2, Fig. 3 and 4, 100 % outgoing inspection

⁵⁾ After storage in darkness for 30 days

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

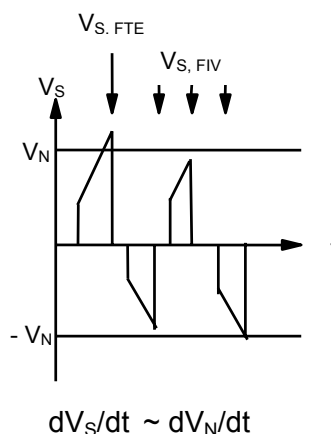


Fig. 3: QC- test circuit (sampling inspection at 25 °C)

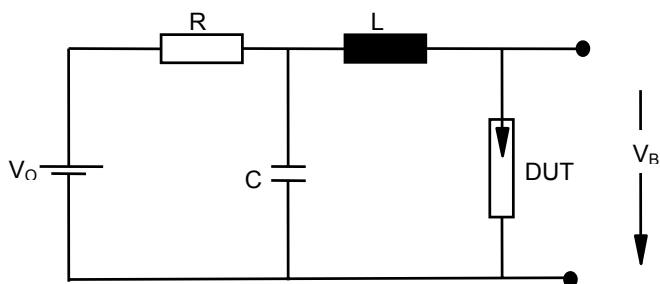
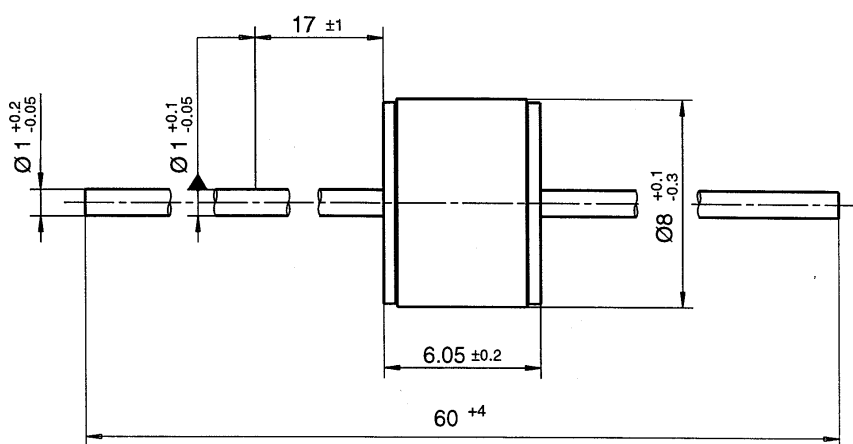
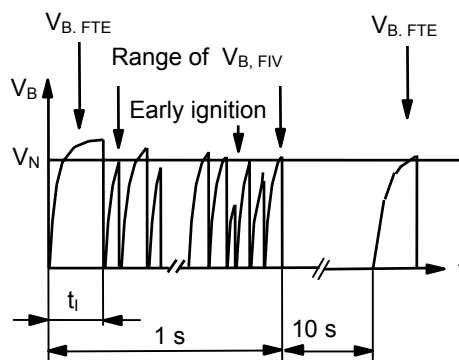


Fig. 4: Explanation of measurands



Not to scale

Dimensions in mm

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