

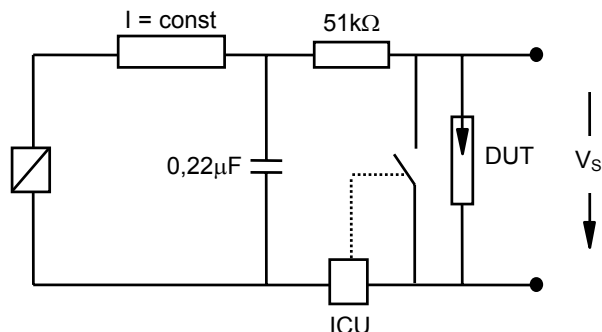
Nominal breakdown voltage V_N	600	V
Initial values ²⁾ Static breakdown voltage V_S ¹⁾ First ignition value $V_{S, FTE}$ after 24 hours in darkness Following ignition values $V_{S, FIV}$	≤ 720 560 ... 680	V V
Electrical life time ³⁾ Breakdown voltage V_B First ignition value $V_{B, FTE}$ after 24 hours in darkness Ignition time t_i at V_0 during life Following ignition values $V_{B, FIV}$	≤ 750 ≤ 90 540 ... 700	V ms V
Switching operations at -40; +25; +125°C	40 000	Ignitions
Test circuit parameters Open circuit voltage V_0 Loading resistance R Discharge capacitance C Inductance L Discharge peak current I_P	750 13 470 0,1 max. 1000	V kΩ nF μH A
General technical data Insulation resistance at 100 V Early ignition values between 500 ... 680 V Breakdown time Maximum switching frequency Weight	> 10 ≤ 2 ≤ 50 200 ~ 2	MΩ % ns Hz g
Marking, blue	EPCOS 600 WWY O 600 - 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

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



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

Fig. 2: Explanation of measurands

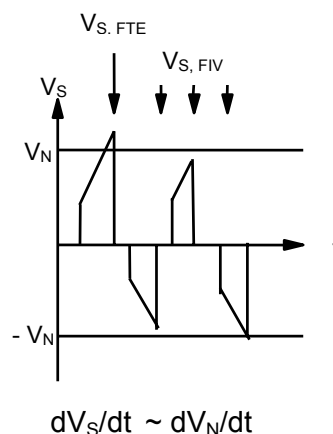


Fig. 3: QC- test circuit (sampling inspection at 25 °C)

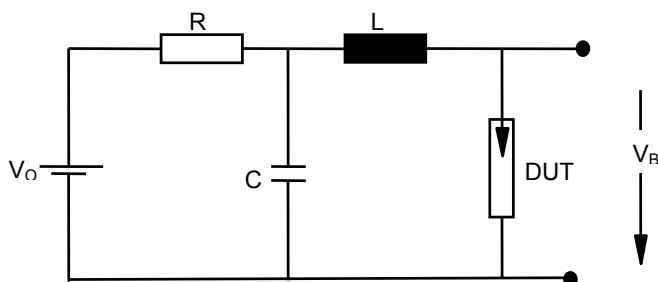
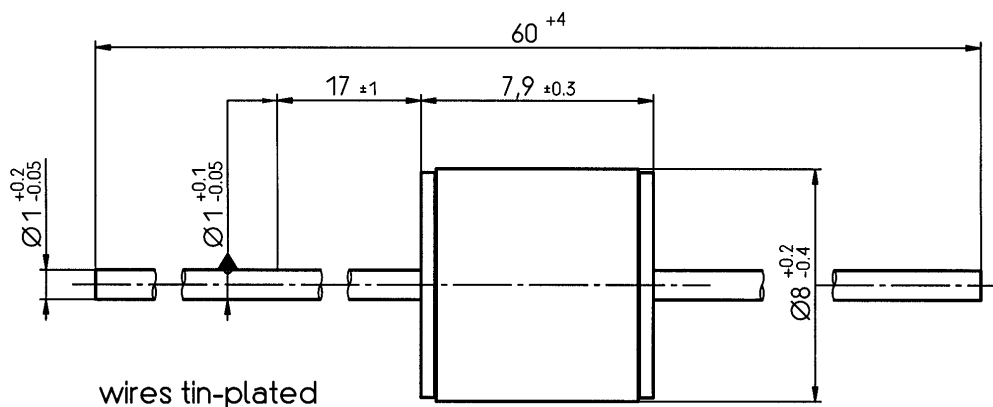
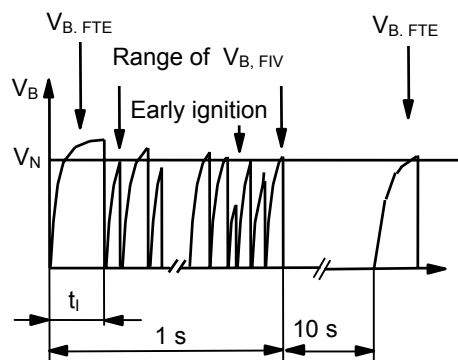


Fig. 4: Explanation of measurands



Not to scale

Dimensions in mm

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