

Nominal breakdown voltage V_N	800	V
Initial values ²⁾ Static breakdown voltage V_S ¹⁾ First ignition value $V_{S, FTE}$ after 24 hours in darkness Following ignition values $V_{S, FIV}$	≤ 950 704 ... 896	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 $V_{B, FIV}$	≤ 1000 ≤ 60 680 ... 920	V ms V
Switching operations at $-40\text{ }^\circ\text{C}$ at $+25; 125; 150\text{ }^\circ\text{C}$	40 000 200 000	Ignitions Ignitions
Test circuit parameters Open circuit voltage V_0 Loading resistance R Discharge capacitance C Inductance L Discharge peak current I_P	1000 68 100 0.5 ~ 400	V k Ω nF μH A
General technical data Max. static breakdown voltage at 100 kV/s Insulation resistance at 100 V Early ignition values below 680 V Breakdown time Maximum switching frequency Maximum loading current Weight	1300 > 100 ≤ 1 ≤ 50 400 50 ~ 2	V M Ω % ns Hz mA g
Marking, blue	EPCOS 800 WWY O 800 - 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)

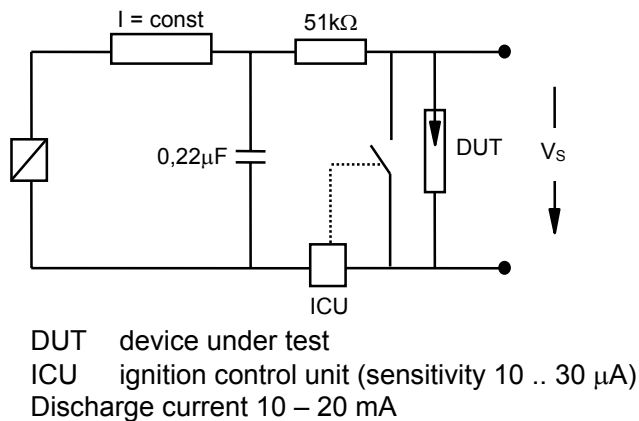


Fig. 2: Explanation of measurands

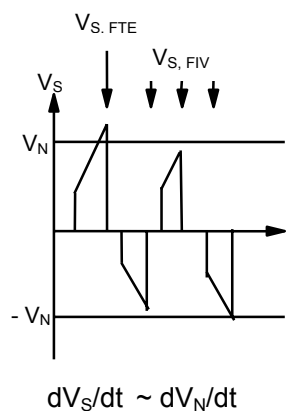


Fig. 3: QC- test circuit (sampling inspection at 25 °C)

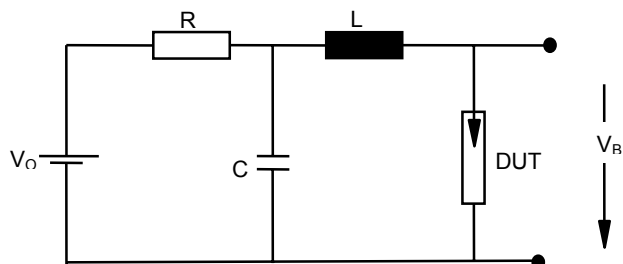
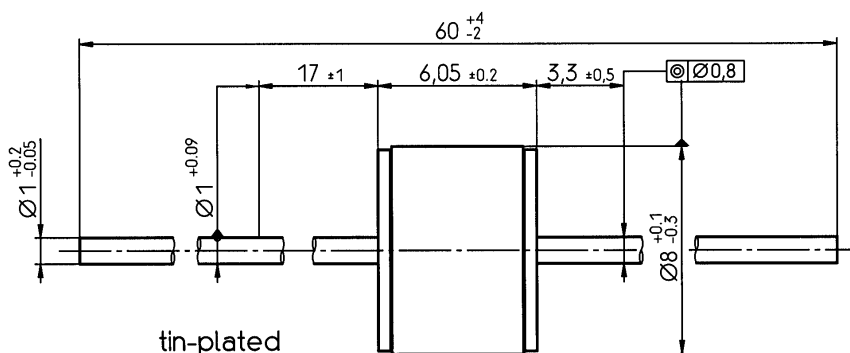
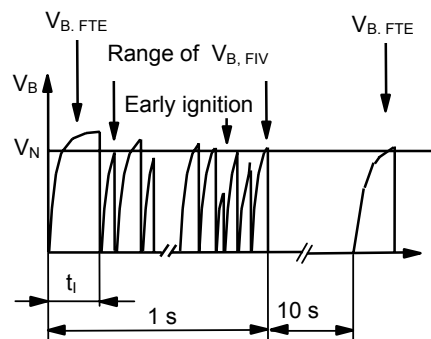


Fig. 4: Explanation of measurands



Not to scale
 Dimensions in mm
 Non controlled document

© EPCOS AG 2002. Reproduction, publication and dissemination of this data sheet, enclosures hereto and the information contained therein without EPCOS' prior express consent is prohibited.

Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.