

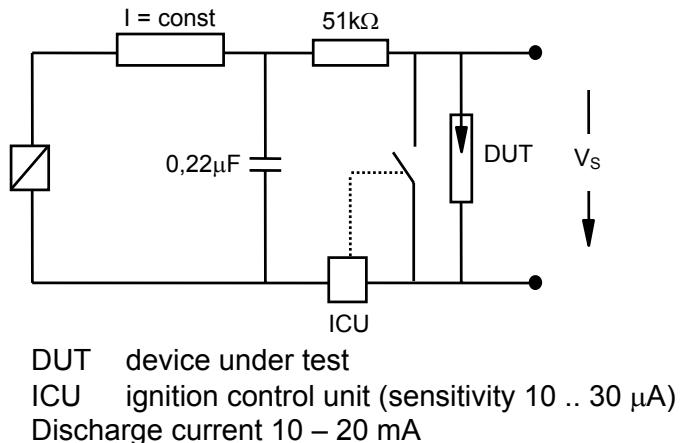
Nominal breakdown voltage $V_N$	5000	V
Initial values <sup>2)</sup> Static breakdown voltage $V_S$ <sup>1)</sup> First ignition value $V_{S, FTE}$ after 24 hours in darkness Following ignition values $V_{S, FIV}$	$\leq 6500$ 4000 ... 6000	V V
Electrical life time <sup>3)</sup> Breakdown voltage $V_B$ First ignition value $V_{B, FTE}$ after 24 hours in darkness Following ignition values $V_{B, FIV}$	$\leq 7000$ 3750 ... 6250	V V
Switching operations at 0 ... +100 °C	100 000	Ignitions
Test circuit parameters Open circuit voltage $V_0$ Loading resistance R Discharge capacitance C Inductance L Discharge peak current $I_P$	7000 4000 1 20 30	V kΩ nF μH A
General technical data Insulation resistance at 100 V Early ignition values below 3750 V Breakdown time Maximum switching frequency Weight	> 100 $\leq 1$ $\leq 50$ 100 $\sim 2$	MΩ % ns Hz g
Marking, red	<b>EPCOS 5000 YY O</b> 5000 - Nominal voltage YY - Year of production O - Non radioactive	

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

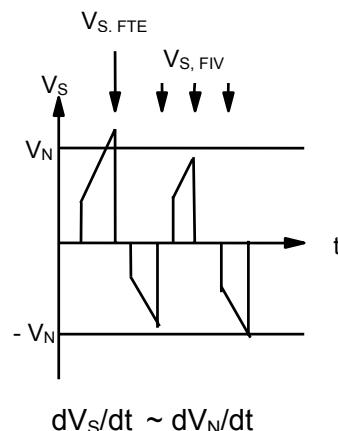
<sup>2)</sup> Page 2, Fig. 1 and 2

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

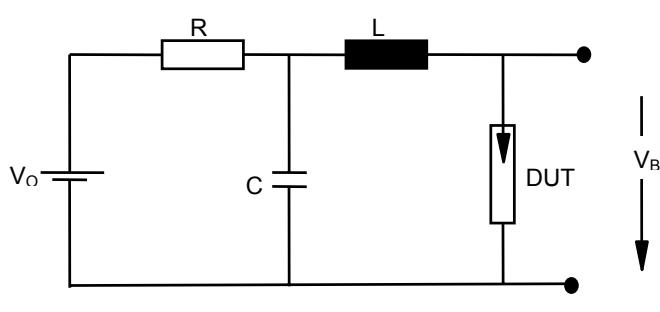
**Fig. 1:** QC- test circuit (100% outgoing inspection)



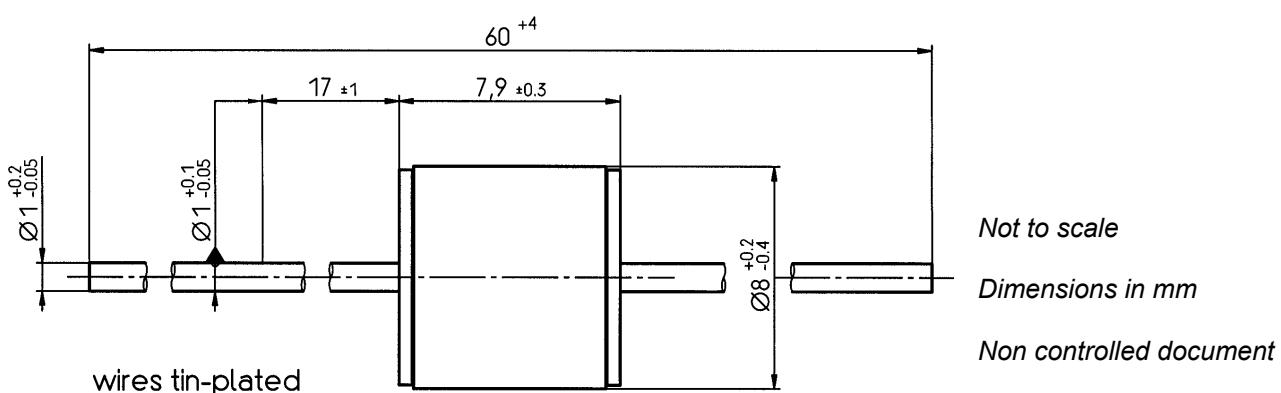
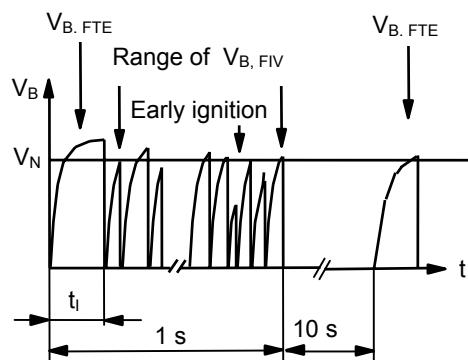
**Fig. 2:** Explanation of measurands



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



**Fig. 4:** Explanation of measurands



© 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.