

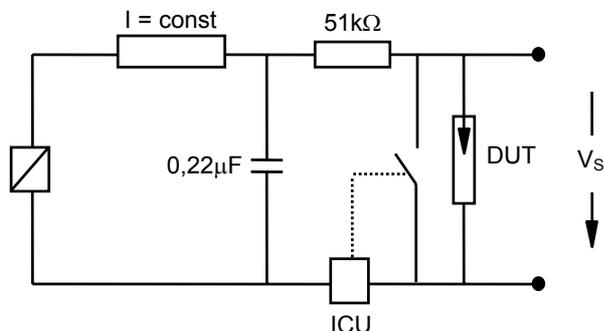
Nominal breakdown voltage $V_N$	600	V
Initial values <sup>2)</sup> Static breakdown voltage $V_S$ <sup>1)</sup> First ignition value $V_{S, FTE}$ after 24 hours in darkness Following ignition values $V_{S, FIV}$	$\leq 720$ 560 ... 680	V V
Electrical life time <sup>3)</sup> Breakdown voltage $V_B$ First ignition value $V_{B, FTE}$ after 24 hours in darkness Ignition time $t_i$ at $V_0$ during life Following ignition values $V_{B, FIV}$	$\leq 750$ $\leq 90$ 540 ... 700	V ms V
Switching operations at $-40; +25; +125^\circ\text{C}$	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 k $\Omega$ nF $\mu\text{H}$ A
General technical data Insulation resistance at 100 V Early ignition values between 500 and 680 V Breakdown time Maximum switching frequency Weight	$> 10$ $\leq 2$ $\leq 50$ 200 $\sim 2$	M $\Omega$ % ns Hz g
Marking, blue	<b>EPCOS 600 WWY O</b> 600 - Nominal voltage WW - Calendar week of production Y - 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

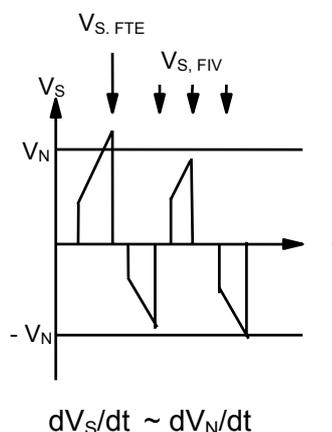
<sup>3)</sup> Page 2, Fig. 3 and 4

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

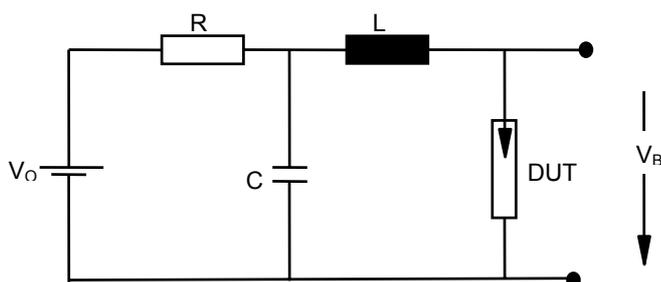


DUT device under test  
ICU ignition control unit (sensitivity 10 .. 30 μA)  
Discharge current 10 – 20 mA

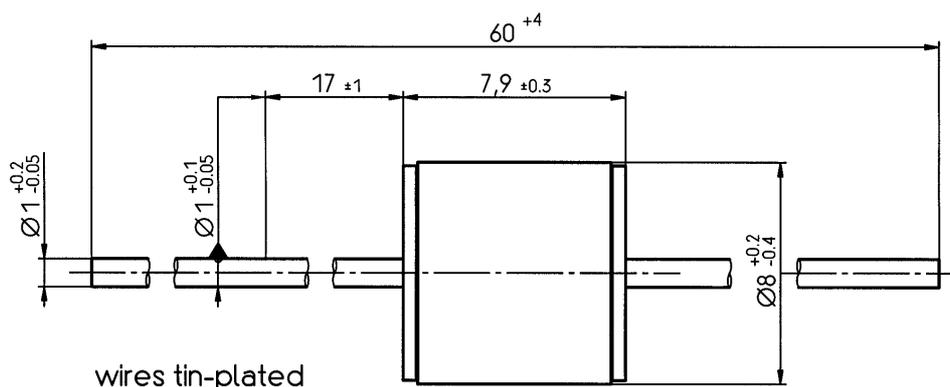
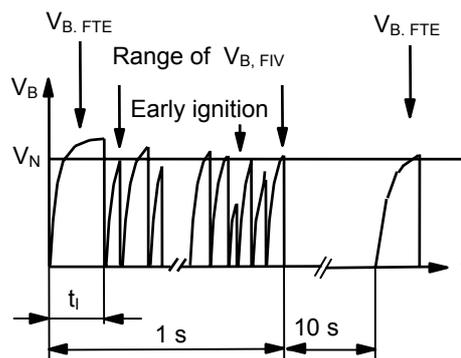
**Fig. 2:** Explanation of measurands



**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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