

**Preliminary data**

Nominal breakdown voltage $V_N$	3000	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	$\leq 3900$	V
Following ignition values $V_{S, FIV}$	2550 ... 3540	V
Electrical life time <sup>3)</sup>		
Breakdown voltage $V_B$		
First ignition value $V_{B, FTE}$ after 24 hours in darkness	$\leq 4200$	V
Following ignition values $V_{B, FIV}$	2400 ... 3600	V
Switching operations at 0 ... +100 °C	1 000 000	Ignitions
Test circuit parameters		
Open circuit voltage $V_0$	4200	V
Loading resistance R	4000	k $\Omega$
Discharge capacitance C	1.5	nF
Inductance L	7.5	$\mu$ H
Discharge peak current $I_p$	50	A
General technical data		
Insulation resistance at 100 V	$> 100$	M $\Omega$
Early ignition values below 2400 V	$\leq 1$	%
Breakdown time	$\leq 50$	ns
Maximum switching frequency	400	Hz
Weight	$\sim 2$	g
Marking, red	<b>EPCOS 3000 YY O</b> 3000 - Nominal voltage YY - Year of production O - Non radioactive	

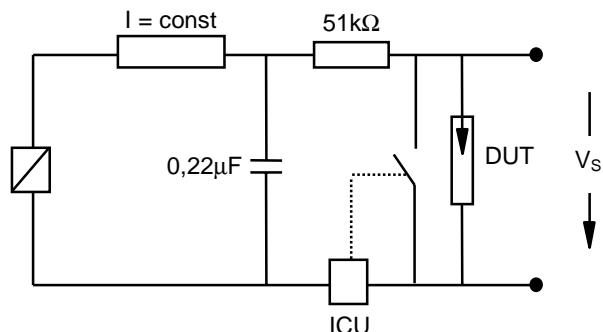
<sup>1)</sup> At delivery AQL 0,65 level II, DIN ISO 2859

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

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

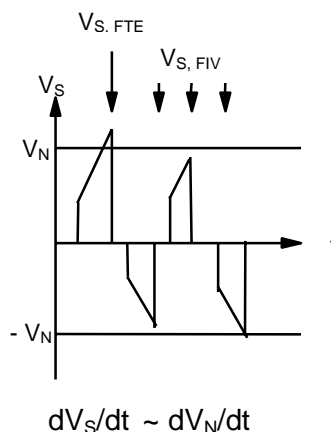
Preliminary data

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

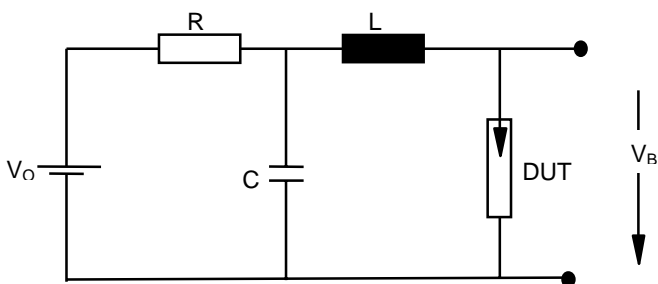


DUT device under test  
 ICU ignition control unit (sensitivity 10 .. 30 μA)  
 Discharge current 10 – 20 mA

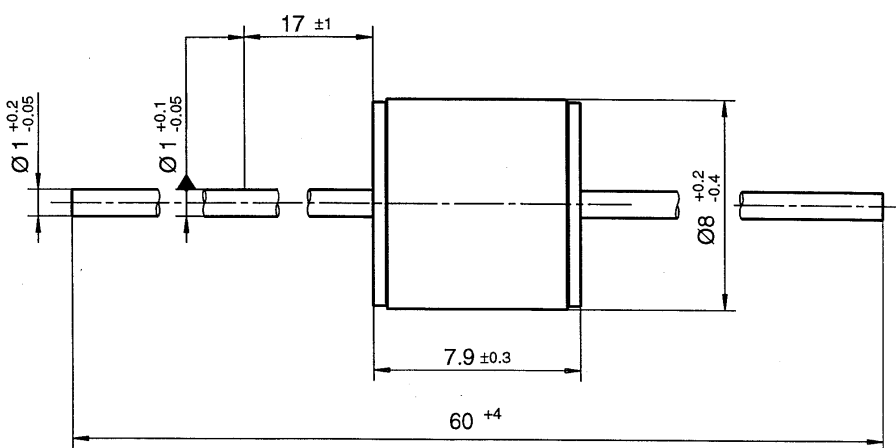
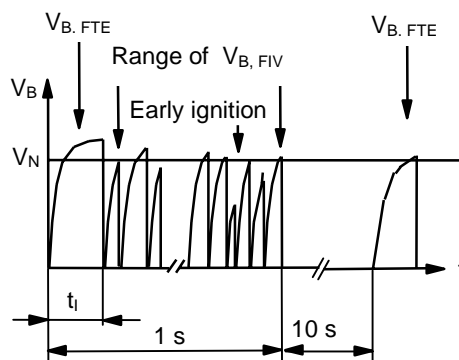
**Fig. 2:** Explanation of measurands



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



**Fig. 4:** Explanation of measurands



Not to scale  
 Dimensions in mm  
 Non controlled document

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