



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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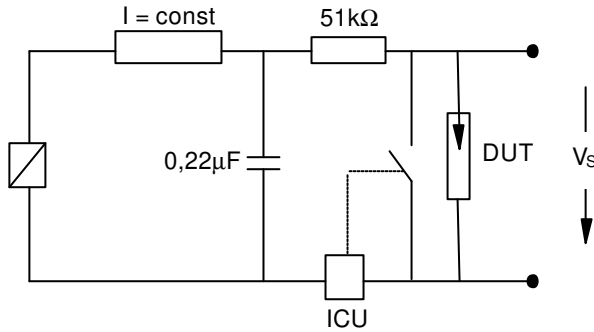
Nominal breakdown voltage $V_N$	800	V
Initial values <sup>2)</sup> Static breakdown voltage $V_S$ <sup>1)</sup> First ignition value $V_{S, FTE}$ after 24 hours in darkness Following ignition values $V_{S, FIV}$	$\leq 950$ 704 ... 896	V V
Electrical life time <sup>3)</sup> Breakdown voltage $V_B$ First ignition value $V_{B, FTE}$ after 24 hours in darkness Ignition time $t_i$ at $V_0$ during life Following ignition values $V_{B, FIV}$	$\leq 1000$ $\leq 60$ 680 ... 920	V ms V
Switching operations at $-40; +150$ °C at $+25; +125$ °C	40 000 100 000	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 $\Omega$ nF $\mu$ H A
General technical data Insulation resistance at 100 V Early ignition values between 500 ... 680 V Breakdown time Maximum switching frequency Maximum loading current Weight	$> 100$ $\leq 1$ $\leq 50$ 400 50 ~ 2	M $\Omega$ % ns Hz mA g
Marking, blue	<b>EPCOS 800 WWY O</b> 800 - 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

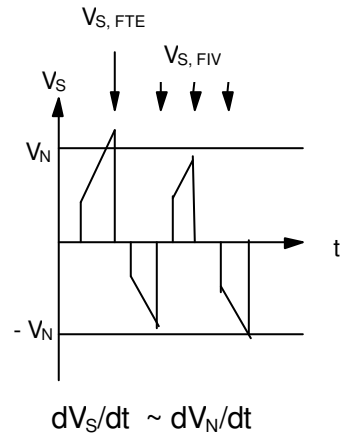
<sup>3)</sup> Page 2, Fig. 3 and 4

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

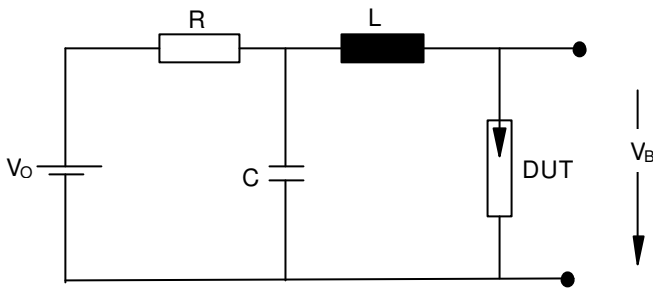


DUT device under test  
 ICU ignition control unit (sensitivity 10 .. 30 µA)  
 Discharge current 10 – 20 mA

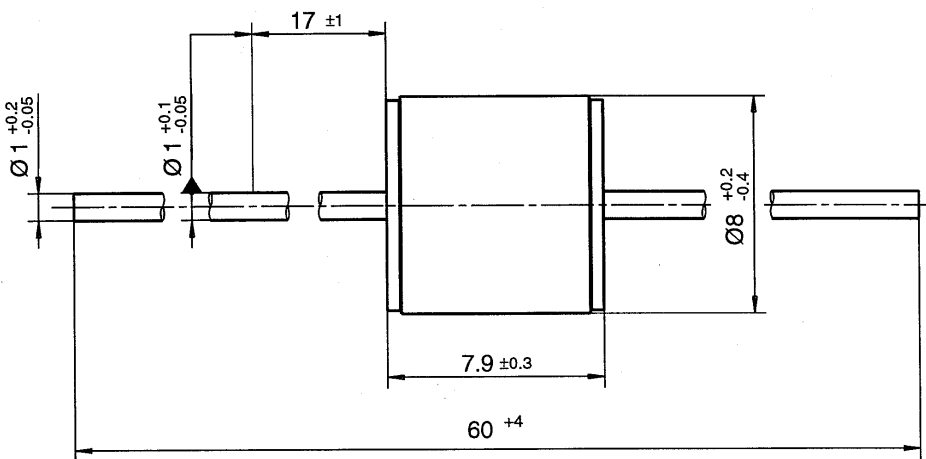
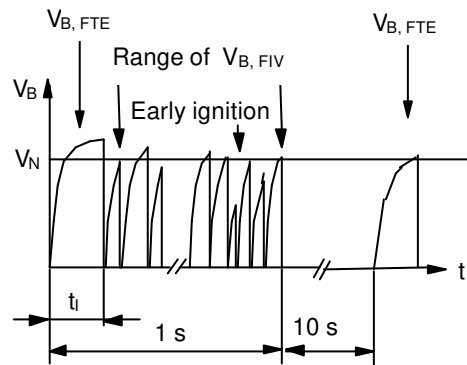
**Fig. 2:** Explanation of measurands



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



**Fig. 4:** Explanation of measurands



Not to scale  
 Dimensions in mm  
 Non controlled document

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