



## Switching Spark Gap

**Series/Type:** SSG5X-1  
**Ordering code:** B88069X0270S102  
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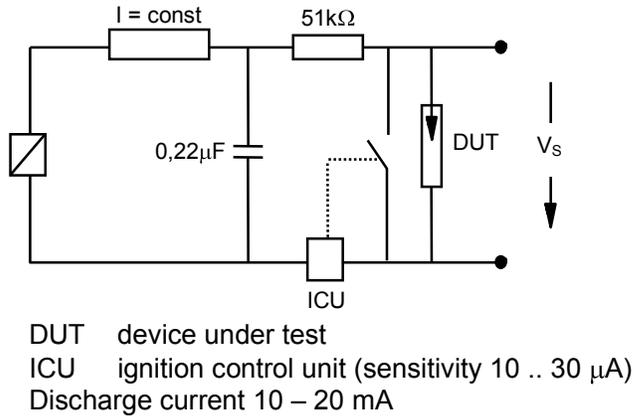
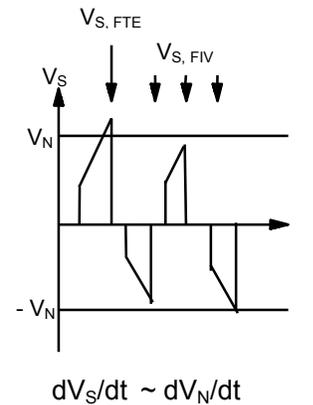
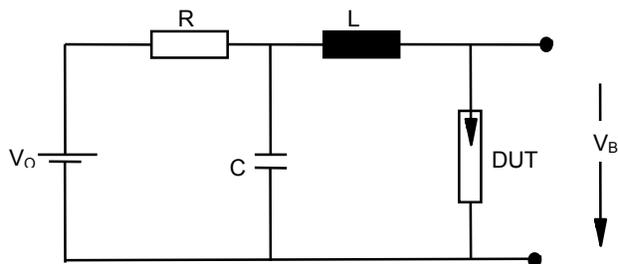
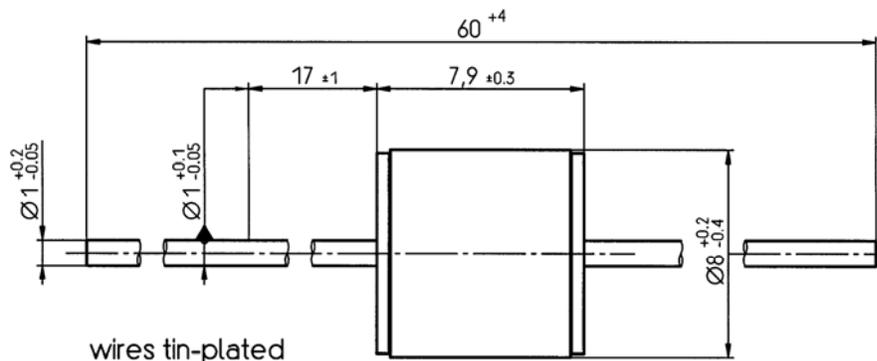
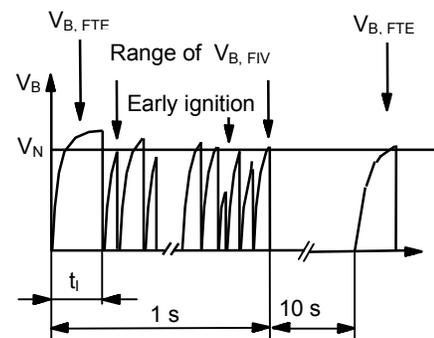
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Nominal breakdown voltage $V_N$	5000	V
Initial values <sup>2)</sup>		
Static breakdown voltage $V_S$ <sup>1)</sup>		
First ignition value $V_{S, FTE}$ after 24 hours in darkness	$\leq 6500$	V
Following ignition values $V_{S, FIV}$	4000 ... 6000	V
Electrical life time <sup>3)</sup>		
Breakdown voltage $V_B$		
First ignition value $V_{B, FTE}$ after 24 hours in darkness	$\leq 7000$	V
Following ignition values $V_{B, FIV}$	3750 ... 6250	V
Switching operations at 0 ... +100 °C	100 000	Ignitions
Test circuit parameters		
Open circuit voltage $V_0$	7000	V
Loading resistance R	4000	k $\Omega$
Discharge capacitance C	1	nF
Inductance L	20	$\mu$ H
Discharge peak current $I_P$	30	A
General technical data		
Insulation resistance at 100 V	$> 100$	M $\Omega$
Early ignition values below 3750 V	$\leq 1$	%
Breakdown time	$\leq 50$	ns
Maximum switching frequency	100	Hz
Weight	$\sim 2$	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**

*Not to scale*
*Dimensions in mm*
*Non controlled document*

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