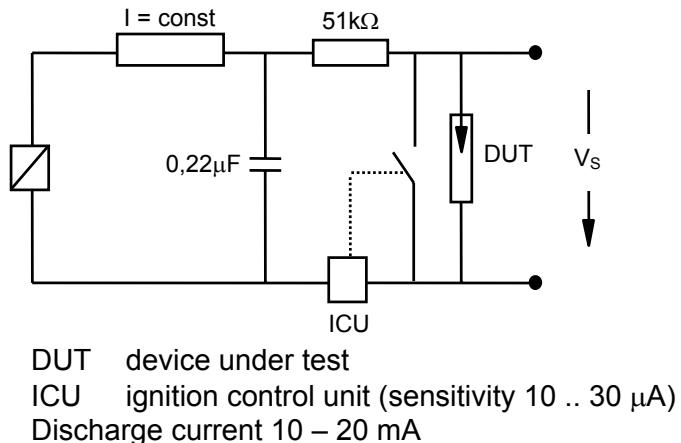


Nominal breakdown voltage V_N	3000	V
Initial values ²⁾		
Static breakdown voltage V_S ¹⁾	≤ 3900	V
First ignition value $V_{S, FTE}$ after 24 hours in darkness	2550 ... 3540	V
Following ignition values $V_{S, FIV}$		
Electrical life time ³⁾		
Breakdown voltage V_B	≤ 4200	V
First ignition value $V_{B,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

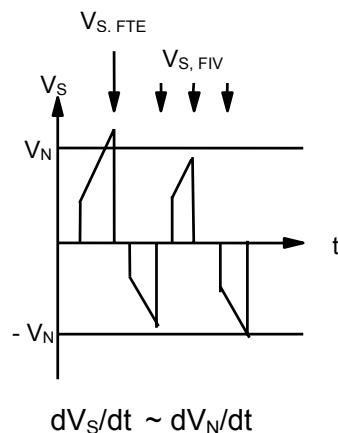
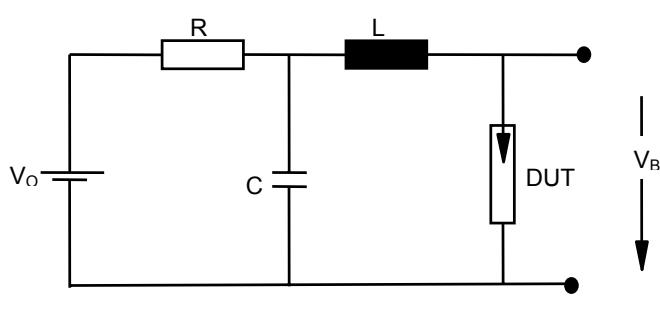
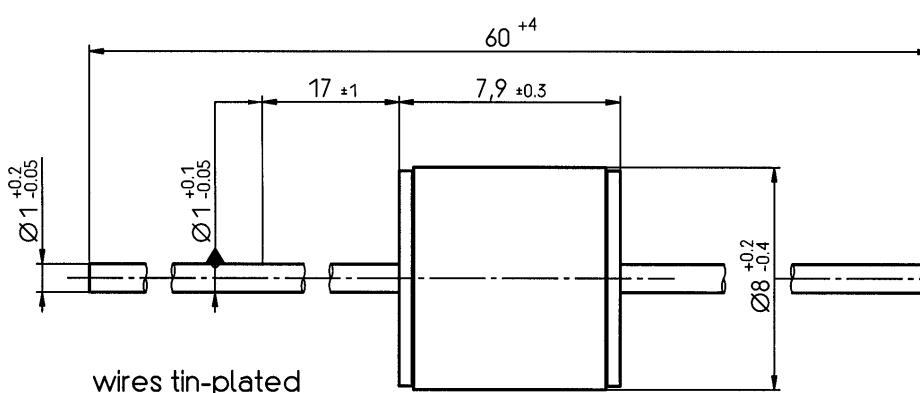
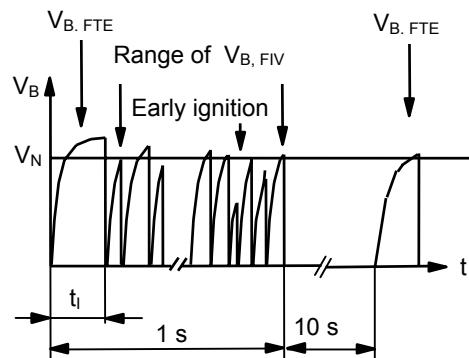
¹⁾ At delivery AQL 0,65 level II, DIN ISO 2859

²⁾ Page 2, Fig. 1 and 2

³⁾ Page 2, Fig. 3 and 4

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


DUT device under test

ICU ignition control unit (sensitivity $10 \dots 30 \mu\text{A}$)Discharge current $10 \dots 20 \text{ mA}$
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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