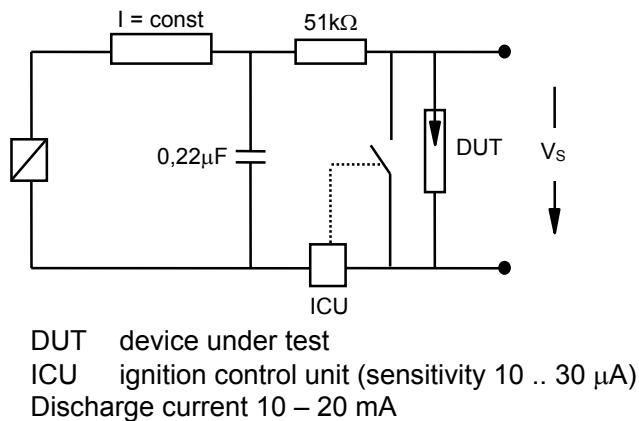EPCOS

Nominal breakdown voltage V_N	800	V

Initial values [2]
   Static breakdown voltage V_S [1]
      First ignition value $V_{S, FTE}$ after 24 hours in darkness
      Following ignition values $V_{S, FIV}$
	
	≤ 950
	704 ... 896
		
		V
		V

Electrical life time [3]
   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 $V_{B, FIV}$
	
	≤ 1000
	≤ 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
		kΩ
		nF
		µH
		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
	≤ 1
	≤ 50
	400
	50
	~ 2
		
		MΩ
		%
		ns
		Hz
		mA
		g

Marking, blue	**EPCOS 800 WWY O** 800 - Nominal voltage WW - Calendar week of production Y - Year of production O - Non radioactive	

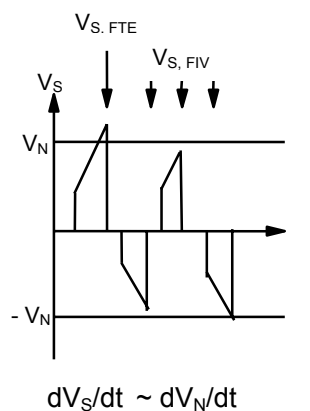[1]   At delivery AQL 0,65 level II, DIN ISO 2859
[2]   Page 2, Fig. 1 and 2
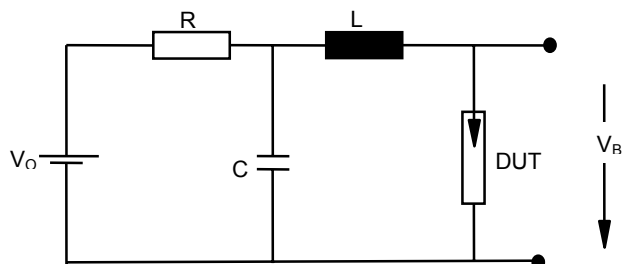[3]   Page 2, Fig. 3 and 4

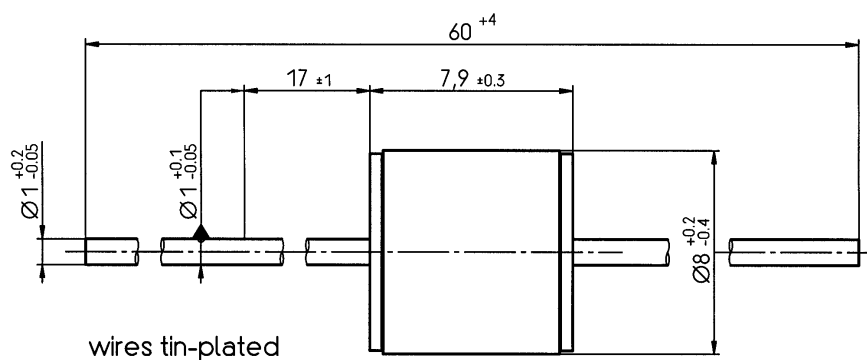**Fig. 1:** QC- test circuit (100% outgoing inspection)

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

Fig. 2: Explanation of measurands

$dV_S/dt \sim dV_N/dt$

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

Fig. 4: Explanation of measurands

wires tin-plated

Not to scale

Dimensions in mm

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KB AB E / KB AB PM

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