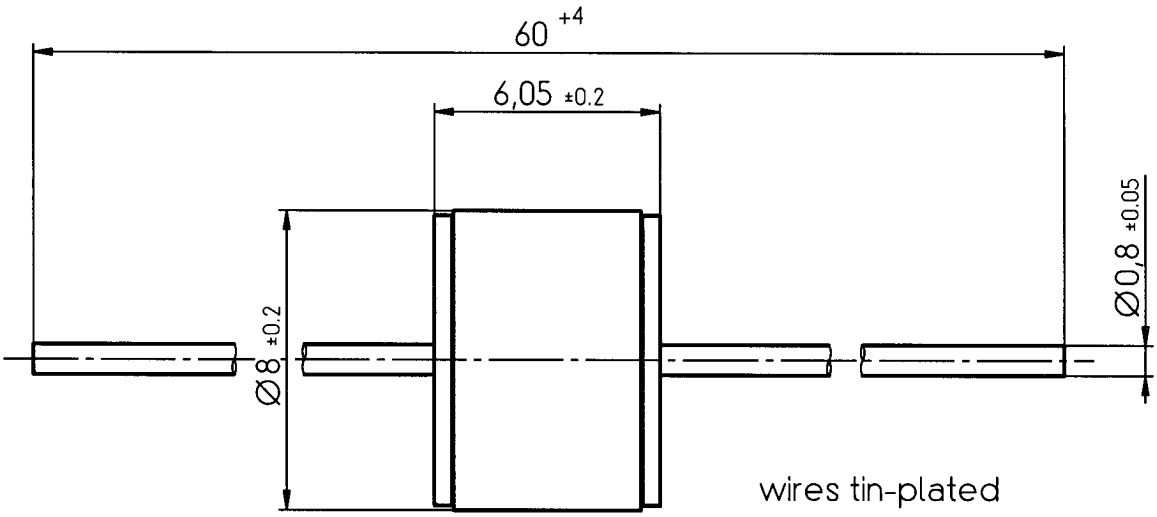
EPCOS

Switching Spark Gap — CAS02X-429

Ordering code: B88069X4290T502

DC spark-over voltage [1) 2)]	235 ... 260			V
Initial values				
Ignition time t_I after 150 hours in darkness [3)]	95	99.9	100	%
at –20 °C	≤ 4	≤ 5	≤ 7	s
at +25; 125 °C	≤ 2	≤ 3	≤ 4	s
Electrical life time A				
Maximum increase of DC spark-over voltage	25			V
Switching operations at +25; 125 °C				
Switching frequency 10 … 25 Hz	2 000 000			Ignitions
Switching frequency < 10 Hz	4 000 000			Ignitions
Test circuit parameters; 1 s ON, 10 s OFF				
Open circuit voltage $V_{0'}$	230			V_{ac}
Loading resistance R	15			kΩ
Discharge capacitance C	2.2			µF
Inductance L	10			µH
Discharge peak current I_P	~ 300			A
Electrical life time B				
Switching operations at +25 °C				
Switching frequency 1000 Hz	600 000			Ignitions
Test circuit parameters; 1 cycle 10 min ON				
Open circuit voltage $V_{0'}$	230			V_{ac}
Loading resistance R	1.5			kΩ
Discharge capacitance C	0.1			µF
Inductance L	7			µH
Discharge peak current I_P	~ 300			A
Insulation resistance at 100 V_{dc}	> 0.1			GΩ
Capacitance at 1 MHz	< 2			pF
Weight	~ 1.5			g
Operation and storage temperature	-20 ... +125			°C
Climatic category (IEC 60068-1)	20/ 125/ 21			
Marking, red	**EPCOS CS 230 YYMM O** CS - Series 230 - Nominal voltage YY - Year of production MM - Month of production O - Non radioactive			

1) At delivery AQL 0.65 level II, DIN ISO 2859
2) In ionized mode, after load
3) Time from capacitor charged to the first high voltage spark
Test circuit: V_{ac} = 198 V; R = 36 kΩ; C = 2.2 µF



wires tin-plated

Not to scale

Dimensions in mm

Non controlled document

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