

Switching spark gaps, Switching Spark Gaps

Series/Type: SSG3X1

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B88069X0260T502		2020-01-17	2020-04-24	2020-07-24
B88069X0260S102		2019-05-24	2019-08-31	2019-11-30

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SSG3X-1

Ordering code: B88069X0260xxxx^{a)}

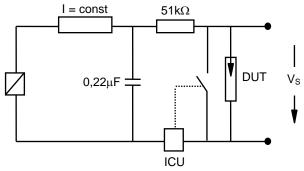
eatures Application				
xtremely Long Life Time Ignition of H		D Lamps for Video Projection		
Stable Performance over Life				
Insensitive Performance against Variations in Temperature				
Very Low Switching Losses				
Very Short Breakdown Time				
High Reliability by Robust Design				
RoHS Compliance				
* Footnotes see page 2				
Nominal breakdown voltage V _N	3000	V		
Initial values ²⁾ Static breakdown voltage V _S ¹⁾ First ignition value V _{S, FTE} after 24 hours Following ignition values V _{S, FIV}	≤ 3900 2550 3540	V		
Electrical life time $^{3)}$ Breakdown voltage V_B First ignition value $V_{B,FTE}$ after 24 hours Following ignition values $V_{B,FIV}$	≤ 4200 2400 3600	V		
Switching operations at 0 +100 °C	1 000 000	Ignitions		
Test circuit parameters Open circuit voltage V ₀ Loading resistance R Discharge capacitance C Inductance L Discharge peak current I _P	4200 4000 1.5 7.5 50	V kΩ nF μH A		
General technical data Insulation resistance at 100 V Early ignition values below 2400 V Breakdown time Maximum switching frequency Weight		> 100 ≤ 1 ≤ 50 400 ~ 2	MΩ % ns Hz g	
Marking, red		EPCOS 3000 YY O 3000 - Nominal voltage YY - Year of production O - Non radioactive		

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



DUT device under test

ICU ignition control unit (sensitivity 10 .. 30 μ A)

Discharge current 10 - 20 mA

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

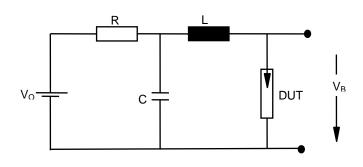


Fig. 2: Explanation of measurands

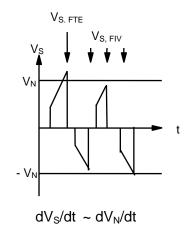
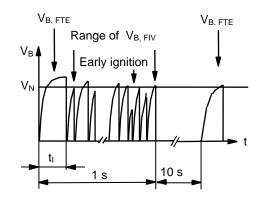


Fig. 4: Explanation of measurands



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a) xxxx = S102 (100 pcs. on 5 taped stripes) = T502 (500 pcs. on tape and reel)

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

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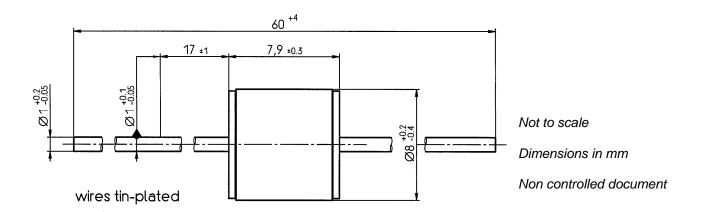
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