

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

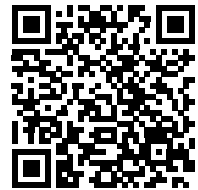
Part Number: B88069X2580S102
Manufacturer: TDK
Package: Strip
Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/tdk/b88069x2580s102.html>

Request a Quote:

[Submit RFQ for this part](#)



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Contact Information

Email: info@antrexco.com

WhatsApp: +86-186-8066-5326

Website: <https://antrexco.com>

Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

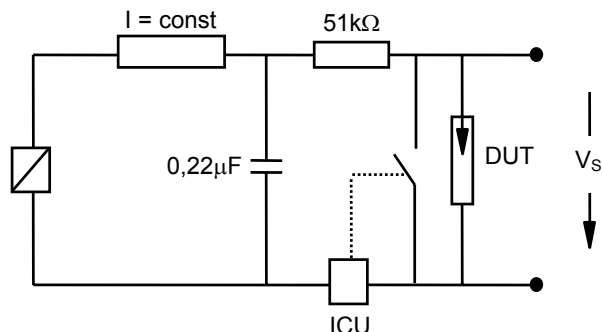
The original manufacturer datasheet follows from the next page.

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	≤ 950	V
Following ignition values $V_{S, FIV}$	704 ... 896	V
Electrical life time ³⁾		
Breakdown voltage V_B		
First ignition value $V_{B, FTE}$ after 24 hours in darkness	≤ 1000	V
Ignition time t_i at V_0 during life	≤ 60	ms
Following ignition values $V_{B, FIV}$	680 ... 920	V
Switching operations		
at -40°C	200 000	Ignitions
at $+25; 125; 150^\circ\text{C}$	400 000	Ignitions
Test circuit parameters		
Open circuit voltage V_0	1000	V
Loading resistance R	68	k Ω
Discharge capacitance C	100	nF
Inductance L	0.5	μH
Discharge peak current I_P	~ 400	A
General technical data		
Max. static breakdown voltage at 100 kV/s	1300	V
Insulation resistance at 100 V	> 100	M Ω
Early ignition values below 680 V	≤ 1	%
Breakdown time	≤ 50	ns
Maximum switching frequency	400	Hz
Maximum loading current	50	mA
Weight	~ 2	g
Marking, blue	EPCOS 800 WWY O 800 - Nominal voltage WW - Calendar week of production Y - Year of production O - Non radioactive	

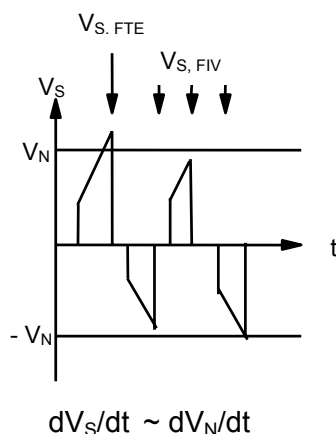
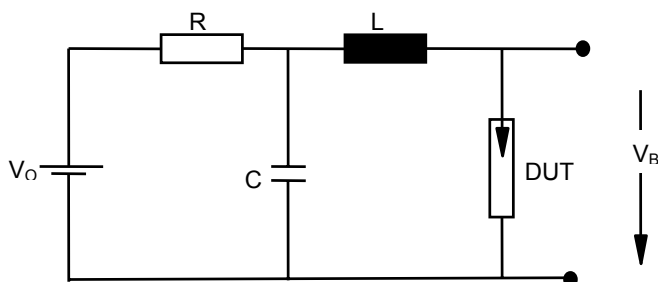
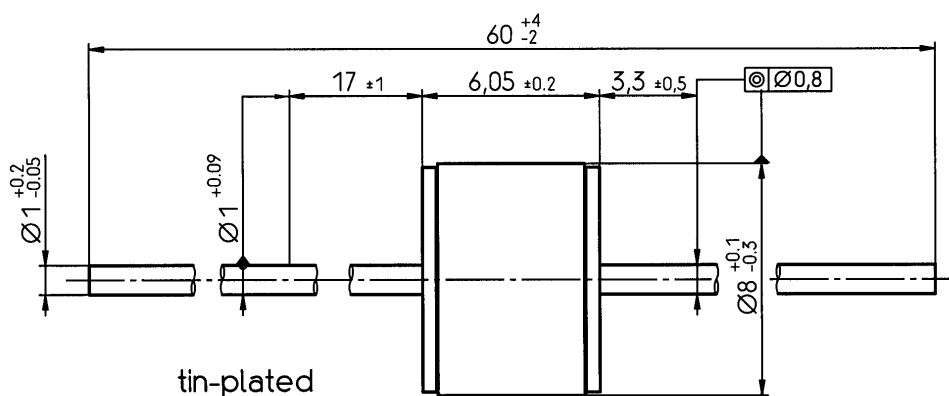
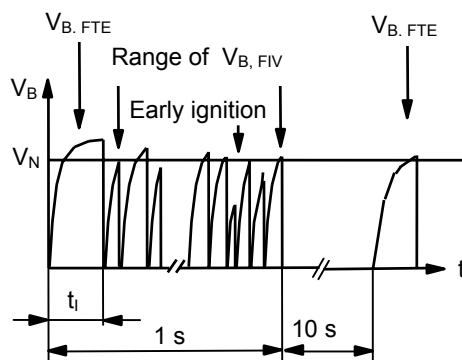
¹⁾ At delivery AQL 0,65 level II, DIN ISO 2859

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 μ A)
 Discharge current 10 – 20 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

Non controlled document

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