

### **Features**

- Balanced TRIGARD®
- Approximately 8 mm diameter, 11 mm long
- UL Recognized **51**<sup>®</sup>
- Custom configurations available
- High surge current rating
- Stable breakdown throughout life
- RoHS compliant\* version available

### **Applications**

- Telecommunications
- Industrial electronics
- Commercial electronics
- Consumer electronics
- Aircraft and military electronics

## 2026 Series - 3-Pole Gas Discharge Tube

#### Characteristics

Test Methods per ITU-T K.12, IEEE C62.31 and IEC 61643-311 GDT standards.

Observatoristic	Model No.						
Characteristic	2026-07	2026-09	2026-15	2026-20	2026-23	2026-25	2026-26
DC Sparkover ±20 % @ 100 V/s	75 V	90 V	150 V	200 V	230 V	250 V	260 V
Impulse Sparkover (1)							
100 V/μs	275 V	275 V	350 V	425 V	450 V	475 V	475 V
1000 V/μs	700 V	600 V	575 V	625 V	650 V	700 V	700 V

Characteristic	Model No.					
	2026-30	2026-35	2026-40	2026-42	2026-47	2026-60
DC Sparkover ±20 % @ 100 V/s	300 V	350 V	400 V	420 V	470 V	600 V
Impulse Sparkover (1)						
100 V/μs	550 V	625 V	675 V	725 V	800 V	925 V
1000 V/μs	775 V	875 V	925 V	1000 V	1100 V	1250 V

<sup>(1)</sup> Impulse Sparkover voltage is defined as typical values of distribution.

Insulation Resistance	1000 V/µs 100 V (50 V for Model 2026–07 & 2026-09) 10 mA	> 10 <sup>10</sup> Ω ~ 70 V
Arc Voltage	1A	~ 10 V
Glow-Arc Transition Current		< 0.5 A
Capacitance	1 MHz	< 2 pF
DC Holdover Voltage (2)	>135 V, (52 V for Model 2026-07 & 2026-09,	< 150 ms
Impulse Discharge Current	40000 A, 8/20 µs <sup>(3)</sup>	> 10 operations 1 operation
	130 Arms, 11 cycles <sup>(3)</sup>	> 10 operations
Operation and Storage Temperature		-40 to +90 °C
Climatic Category (IEC 60068-1)		40/ 90/ 21
Moisture Sensitivity Level		1
ESD Classification (HBM)		6

An optional Switch-Grade Fail-Short device is available. The optional Fail-Short assembly will activate at a temperature of 215 °C - 217 °C to provide a high conductive path to ground in case of a thermal overload. GDTs equipped with the optional Fail-Short device should be soldered either manually at a temperature that is below the activation temperature of the Fail-Short mechanism, or using a selective soldering process that does not exceed 210 °C.

### Notes:

- · Model number marking on tube: 26-xxx V.
- The rated discharge current for TRIGARD® Gas Discharge Tubes is the total current equally divided between each line to ground. Sparkover limits after life  $\pm 25$  %, IR  $>10^8\Omega$  (-25 %,+30 % for Model 2026-07, 2026-09 and 2026-60).
- Line to Line voltage is approximately 1.8 to 2 times the stated Line to Ground breakdown voltage.
- At delivery AQL 0.65 Level II, DIN ISO 2859
- (2) Network applied.
- (3) DC Sparkover may exceed ±25 % after discharge, but will continue to protect without venting.



last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf

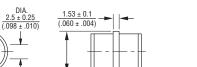
Downloaded from Arrow.com.

## 2026 Series - 3-Pole Gas Discharge Tube

2026-XX-A

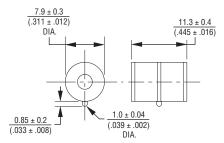
## BOURNS

### Product Dimensions (additional lead form configurations available upon request)

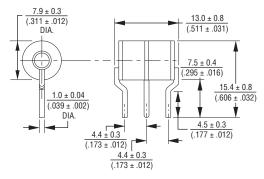


DIA.  $\frac{9.0 \pm 0.2}{(.354 \pm .008)}$  DIA.  $\frac{0.8 \pm 0.3}{(.032 \pm .012)}$  DIA.  $\frac{0.8 \pm 0.3}{(.032 \pm .012)}$  DIA.

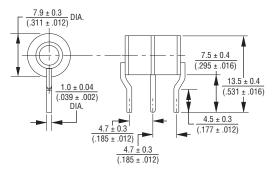
2026-XX-A1



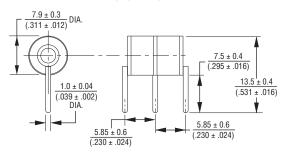
2026-XX-C2



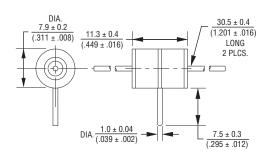
2026-XX-C3



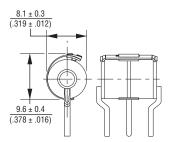
2026-XX-C4



\$2026-XX-C\$ 1.0  $\pm$  0.08 mm (.039  $\pm$  .002 in.) dia. lead wire



# FAIL-SHORT CONFIGURATION 2026-XX-C2F SHOWN



DIMENSIONS:  $\frac{MM}{(INCHES)}$ 

UNITS WITH LEADS ARE BASED ON THE 2026-XX-A1 BODY.

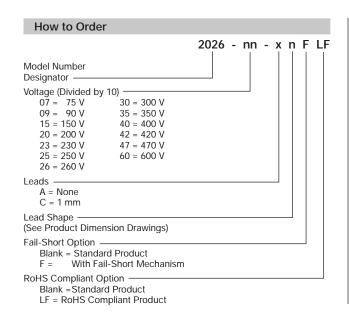
 $Specifications \ are \ subject \ to \ change \ without \ notice.$ 

Users should verify actual device performance in their specific applications.

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# 2026 Series - 3-Pole Gas Discharge Tube

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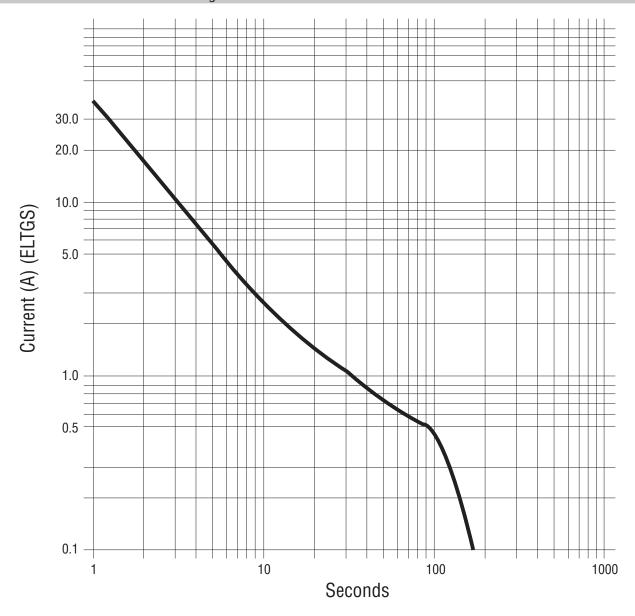
### **Packaging Specifications**

	Standard Packaging Quantity			
Model	Bulk (Bag)	Tray	Box	
2026-XX-A	250		1000	
2026-XX-A1	250		1000	
2026-XX-C	50		300	
2026-XX-C2		100	1000	
2026-XX-C3		100	1000	
2026-XX-C4		100	1000	

#### **Agency Recognition / Industry Standards**

Agency	References
<b>577</b> ®	UL 497B Recognized Component, Category QVGQ2, File E153537
<b>57</b> 8	UL 497 Recognized Component, Category QVGV2, File E53117
Telcordia GR-974-CORE/ GR-1361-CORE	2026 Series devices, as applicable, are tested to GR requirements for primary protectors

### Switch-Grade Fail-short Device Shorting Curve 2026-XX-XF



ELTGS = Each Line to Ground Simultaneously

NOTE: When using a GDT fail-short device, it is imperative that all components associated and connected to the GDT with failsafe be tested in their respective completely integrated environment (finished product) to assure desired operation.

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