



## Features

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

## Applications

- Telecommunications
- Industrial electronics
- Commercial electronics
- Consumer electronics
- Automotive, aircraft, military electronics

# 2026 Series - 3-Pole Gas Discharge Tube

## Characteristics

Test Methods per ITU-T (CCITT) K.12, IEEE C62.31, RUS PE-80, Telcordia GR 1361

Characteristic	Model No.						
	2026-07	2026-09	2026-15	2026-20	2026-23	2026-25	2026-26
DC Sparkover $\pm 20\%$ @ 100 V/s	75 V	90 V	150 V	200 V	230 V	250 V	260V <sup>1</sup>
Impulse Sparkover							
100 V/ $\mu$ s	275 V	275 V	350 V	425 V	450 V	475 V	475 V
1000 V/ $\mu$ s	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 $\pm 20\%$ @ 100 V/s	300 V	350 V	400 V	420 V	470 V	600 V
Impulse Sparkover						
100 V/ $\mu$ s	500 V	625 V	675 V	725 V	800 V	925 V
1000 V/ $\mu$ s	775 V	875 V	925 V	1000 V	1100 V	1250 V

Impulse Transverse Delay .....	1000 V/ $\mu$ s.....	< 75 ns
Insulation Resistance .....	100 V (50 V for Model 2026-07 & 2026-09) .....	> $10^{10} \Omega$
Glow Voltage .....	10 mA.....	~ 70 V
Arc Voltage.....	1A.....	~ 10 V
Glow-Arc Transition Current .....	.....	< 0.5 A
Capacitance.....	1 MHz.....	< 2 pF
DC Holdover Voltage <sup>2</sup> .....	>135 V, (52 V for Model 2026-07 & 2026-09,.....	< 150 ms
	80 V for Model 2026-15)	
Impulse Discharge Current .....	40000 A, 8/20 $\mu$ s <sup>3</sup> .....	1 operation minimum
	20000 A, 8/20 $\mu$ s.....	> 10 operations
	1000 A, 10/1000 $\mu$ s .....	> 400 operations
Alternating Discharge Current.....	130 Arms, 11 cycles <sup>3</sup> .....	1 operation minimum
	20 Arms, 1 s.....	> 10 operations
Operation and Storage Temperature, Climatic Category (IEC 60068-1) 40/ 90/ 21.....		-40 to +90 °C

Optional Switch-Grade Fail-short device available.

## Notes:

- **UL recognized component, UL File E153537.**
- 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

<sup>1</sup> Tube meets BT requirement Type 14 A/1 (210-310 V).

<sup>2</sup> Network applied.

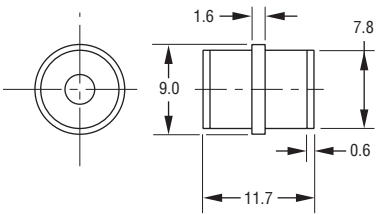
<sup>3</sup> DC Sparkover may exceed  $\pm 25\%$  after discharge, but will continue to protect without venting.

# 2026 Series - 3-Pole Gas Discharge Tube

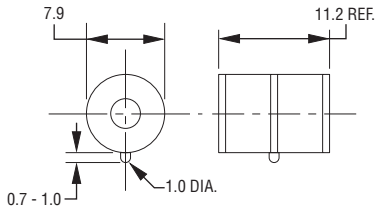
**BOURNS®**

Product Dimensions (additional lead form configurations available upon request)

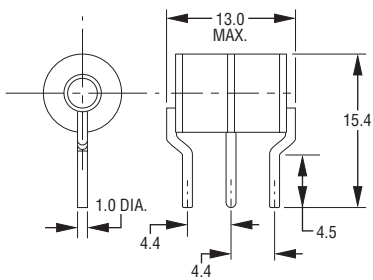
**2026-XX-A**



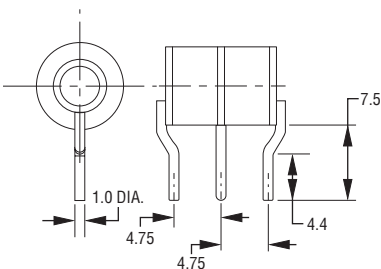
**2026-XX-A1**



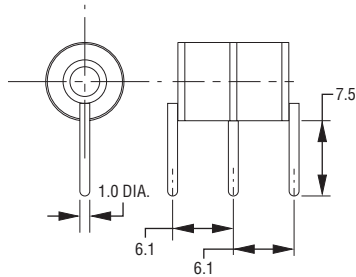
**2026-XX-C2**



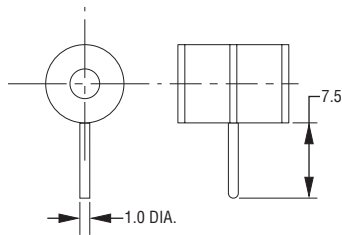
**2026-XX-C3**



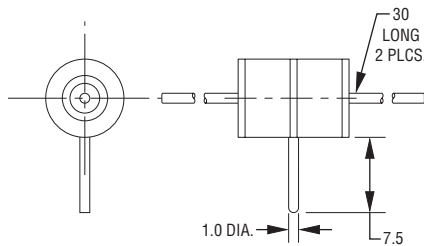
**2026-XX-C4**



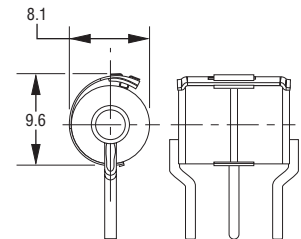
**2026-XX-C8**



**2026-XX-C**  
1.0 mm dia. lead wire



**FAIL-SHORT CONFIGURATION**  
**2026-XX-C2F SHOWN**



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

**How To Order**

**2026 - nn - x n F LF**

Model Number \_\_\_\_\_  
Designator \_\_\_\_\_

Voltage (Divided by 10) \_\_\_\_\_  
 07 = 75 V      30 = 300 V  
 09 = 90 V      35 = 350 V  
 15 = 150 V     40 = 400 V  
 20 = 200 V     42 = 420 V  
 23 = 230 V     47 = 470 V  
 25 = 250 V     60 = 600 V  
 26 = 260 V

Leads \_\_\_\_\_  
 A = None  
 C = 1 mm

Lead Shape \_\_\_\_\_  
 (See Product Dimension Drawings)

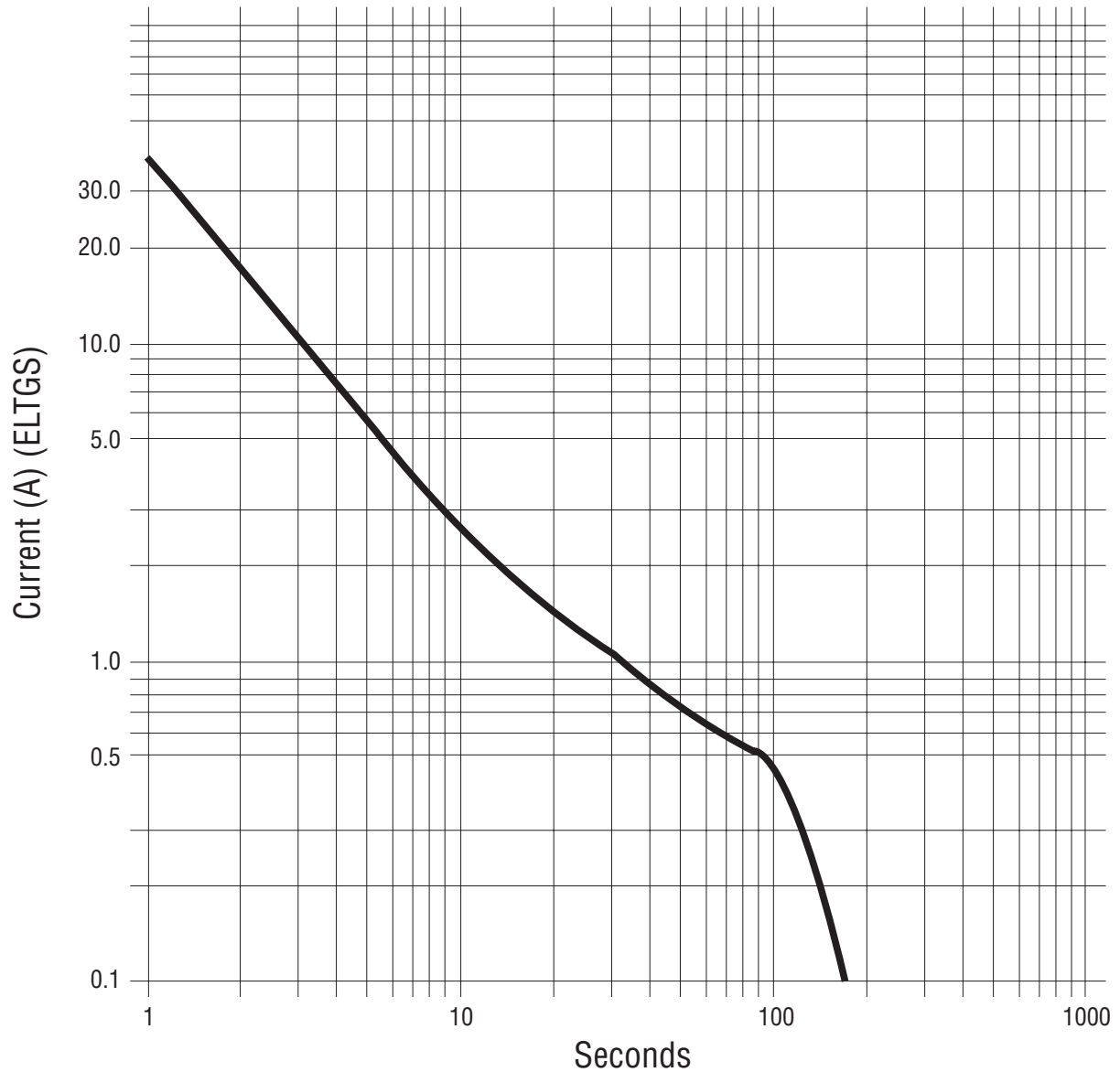
Fail-Short Option \_\_\_\_\_  
 Blank = Standard Product  
 F = With Fail-Short Mechanism

Lead Free Option \_\_\_\_\_  
 Blank = Standard Product  
 LF = Lead Free/RoHS Compliant Product

# 2026 Series - 3-Pole Gas Discharge Tube

**BOURNS®**

## 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.