



Features

- Balanced TRIGARD®
- 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 ¹
Impulse Sparkover							
100 V/ μ s	275 V	275 V	350 V	425 V	450 V	475 V	475 V
1000 V/ μ 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/ μ s	500 V	625 V	675 V	725 V	800 V	925 V
1000 V/ μ s	775 V	875 V	925 V	1000 V	1100 V	1250 V

Impulse Transverse Delay	1000 V/ μ 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 ²	> 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 μ s ³	1 operation minimum
	20000 A, 8/20 μ s	> 10 operations
	1000 A, 10/1000 μ s	> 400 operations
Alternating Discharge Current	130 Arms, 11 cycles ³	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 $> 10^9 \Omega$ (-25 %, +30 % for Model 2026-07, 2026-09 and 2026-60).

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

² Network applied.

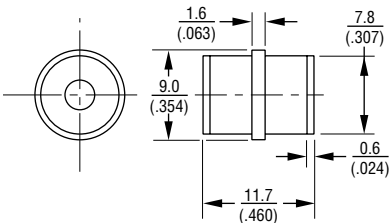
³ DC Sparkover may exceed $\pm 25\%$ after discharge, but will continue to protect without venting.

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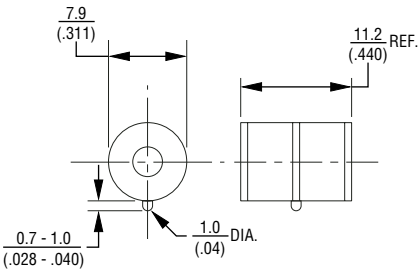
BOURNS®

Product Dimensions (additional lead form configurations available upon request)

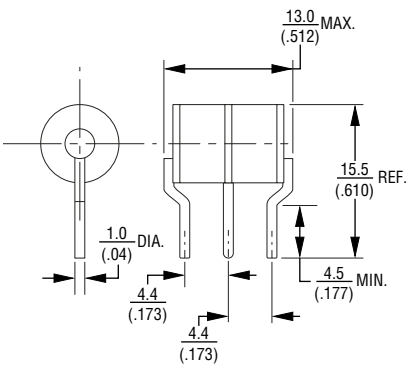
2026-XX-A



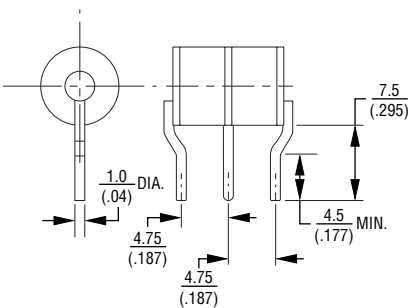
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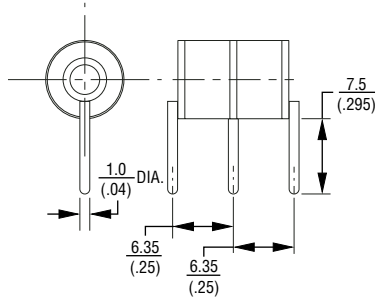
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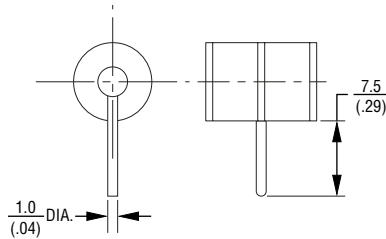
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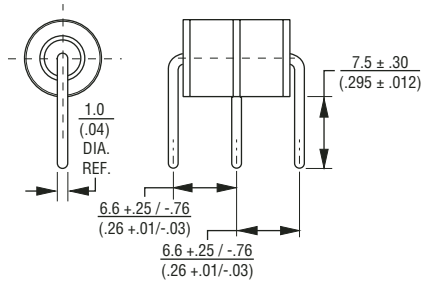
2026-XX-C4



2026-XX-C8



2026-XX-C14

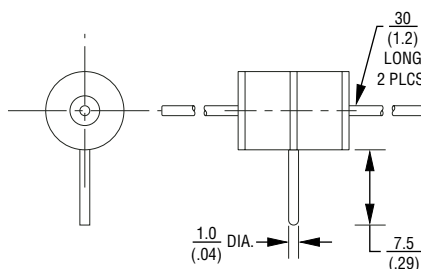


2026-XX-C

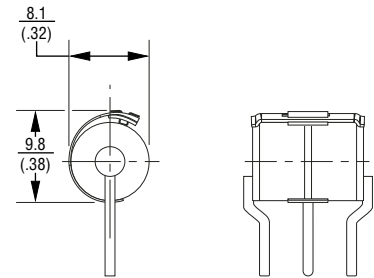
— 1.0 mm (0.040 in.) dia. lead wire

2026-XX-CB

— 0.8 mm (0.032 in.) dia. lead wire



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



*Models with Fail-short are not available in RoHS versions.

DIMENSIONS = $\frac{\text{MILLIMETERS}}{\text{(INCHES)}}$

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
 B = 0.8 mm
 C = 1 mm

Lead Shape _____
 (See Product Dimension Drawings)

Fail-Short Option _____
 Blank = Standard Product
 F = With Fail-Short Mechanism

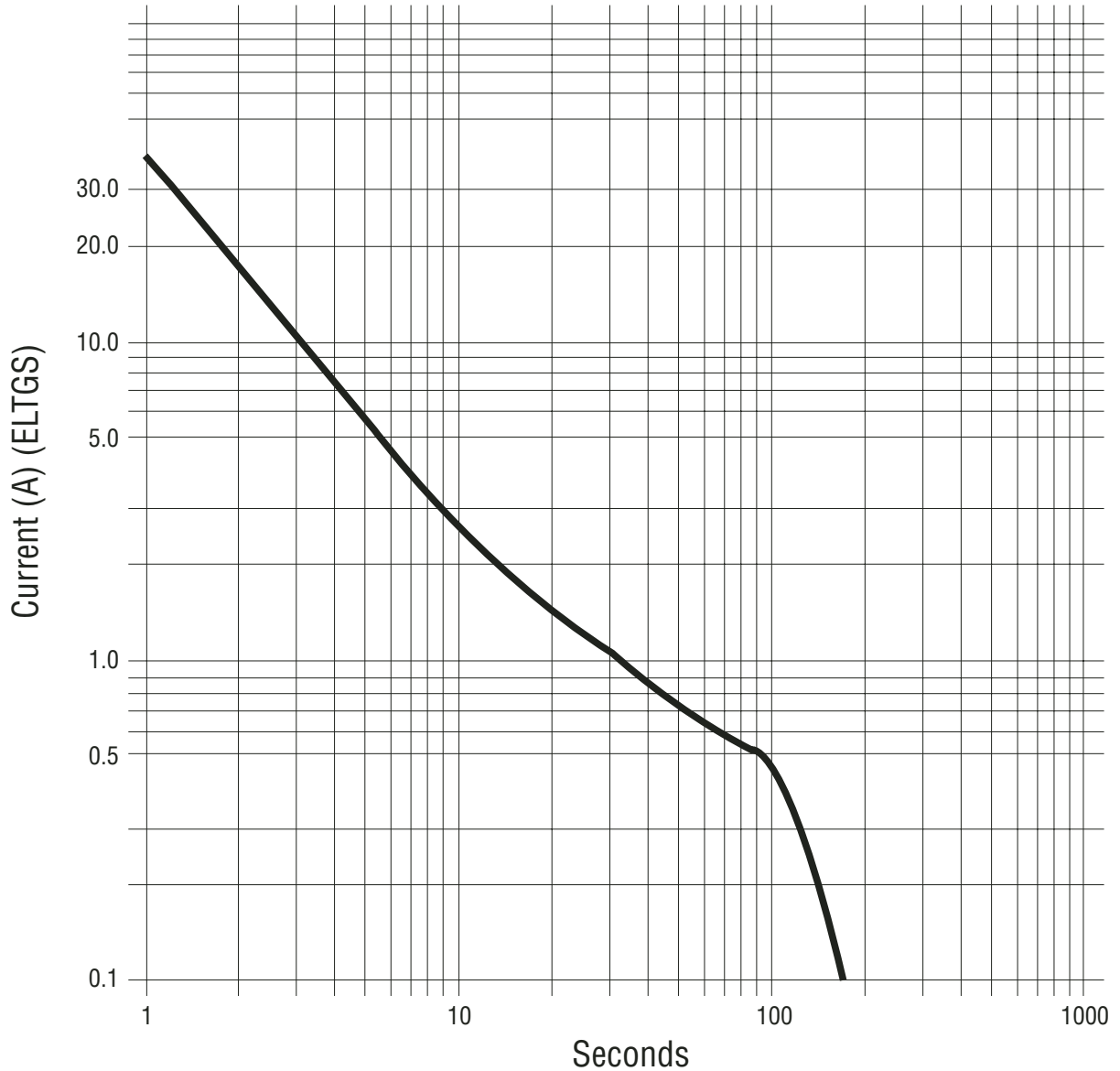
Lead Free Option _____
 Blank = Standard Product
 LF = Lead Free/RoHS Compliant Product (Not available on models with Fail-Short Mechanism)

Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

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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.