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 K.12, IEEE C62.31 and IEC 61643-311 GDT standards.

Characteristic	Model No.						
	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

(1) Impulse Sparkover voltage is defined as typical values of distribution.

Impulse Transverse Delay	1000 V/µs	< 75 ns	
Insulation Resistance	100 V (50 V for Model 2026–07 & 2026-09)	> 10^{10} Ω	
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, 80 V for Model 2026-15)	< 150 ms	
Impulse Discharge Current	40000 A, 8/20 µs (3)	1 operation minimum	
	20000 A, 8/20 µs	> 10 operations	
	5000 A, 10/350 µs	1 operation	
	1000 A, 10/1000 µs	> 400 operations	
Alternating Discharge Current	130 Arms, 11 cycles (3)	1 operation minimum	
	20 Arms, 1 s	> 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 ±25 %, IR >10^8Ω (-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

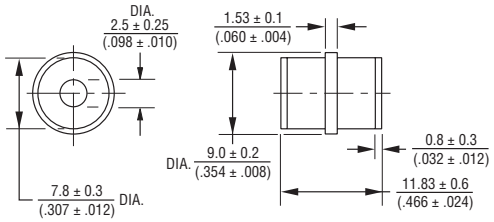
(2) Network applied.

(3) DC Sparkover may exceed ±25 % after discharge, but will continue to protect without venting.

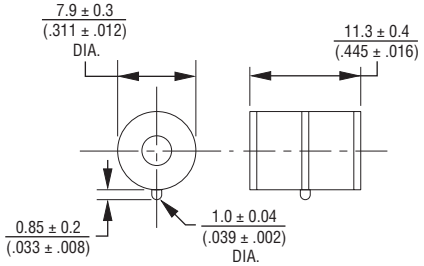
*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

Product Dimensions (additional lead form configurations available upon request)

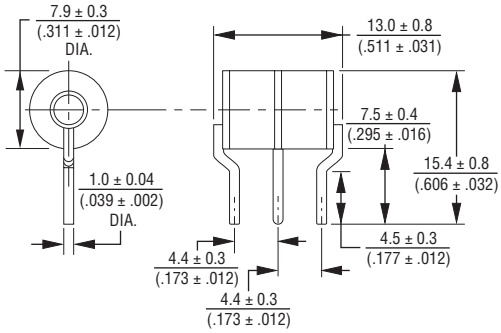
2026-XX-A



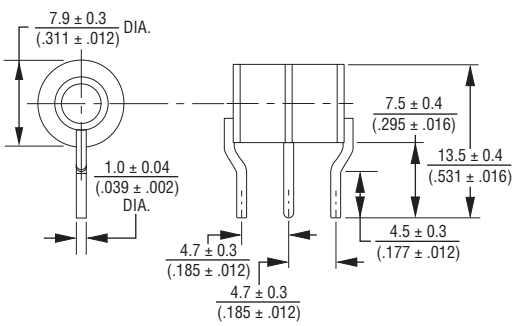
2026-XX-A1



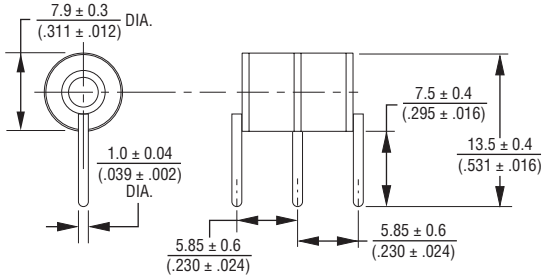
2026-XX-C2



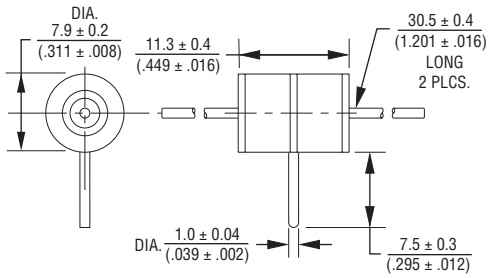
2026-XX-C3



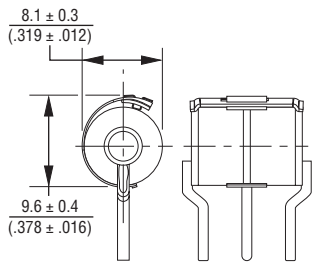
2026-XX-C4



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



FAIL-SHORT CONFIGURATION
2026-XX-C2F SHOWN



DIMENSIONS: MM / (INCHES)

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

RoHS Compliant Option
- Blank =Standard Product
- LF = RoHS Compliant Product

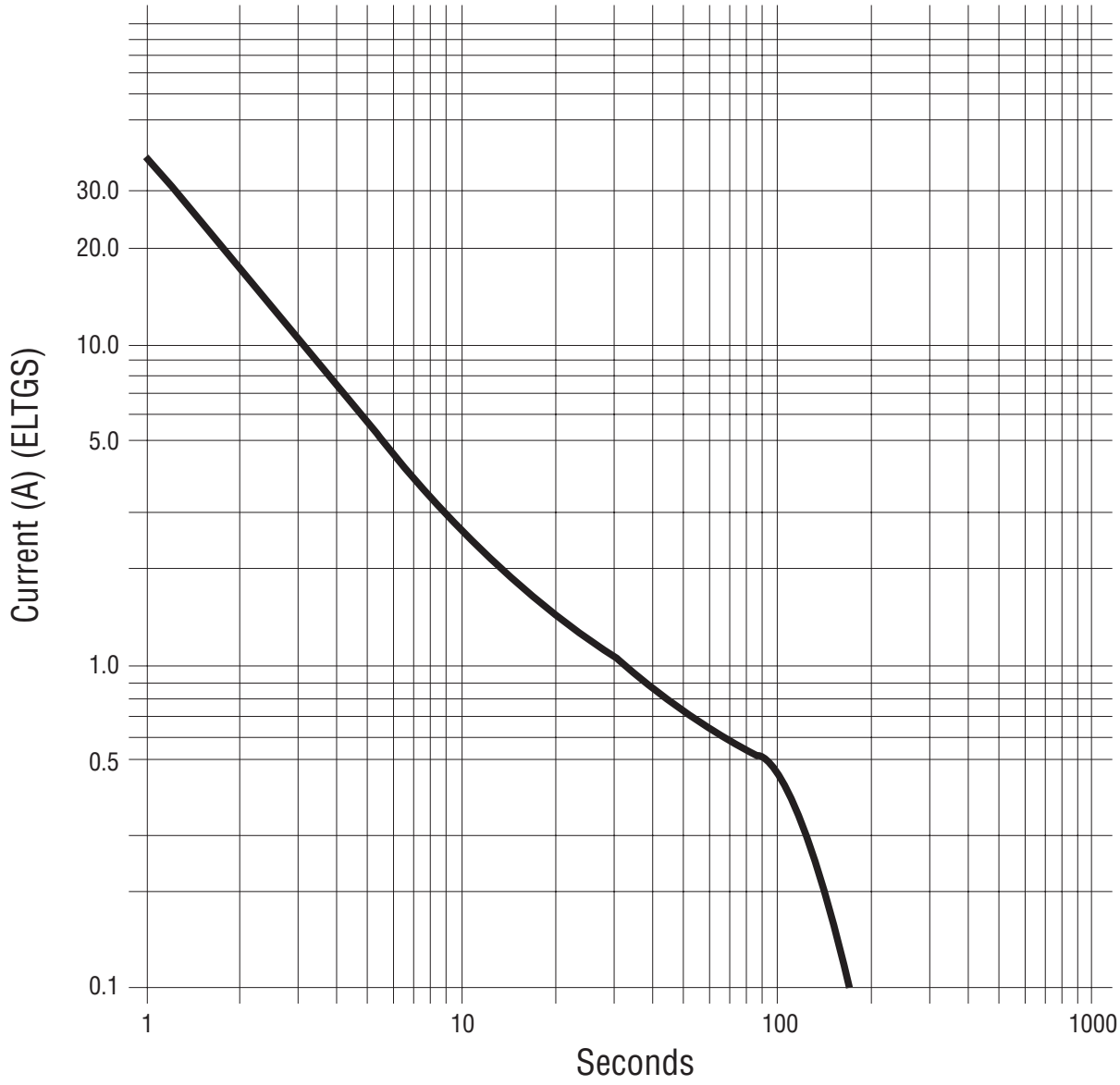
Packaging Specifications

Model	Standard Packaging Quantity		
	Bulk (Bag)	Tray	Box
2026-XX-A	250		1000
2026-XX-A1	250		1000
2026-XX-C	50		300
2026-XX-C2		100	900
2026-XX-C3		100	900
2026-XX-C4		100	900

Agency Recognition / Industry Standards

Agency	References
cULus®	UL 497B Recognized Component, Category QVGQ2, File E153537
cULus®	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.