

Features

- Balanced TRIGARD®
- Approximately 8 mm diameter, 11 mm long
- UL Recognized **٦**
- Custom configurations available
- High surge current rating
- Stable breakdown throughout life
- RoHS compliant* version available

Additional Information

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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.						
Characteristic	2026-07	2026-09	2026-15	2026-20	2026-23	2026-25	2026-26
DC Sparkover ±20 % @ 100 V/s (1)	75 V	90 V	150 V	200 V	230 V	250 V	260 V
Impulse Sparkover ⁽²⁾ 100 V/µs 1000 V/µs	275 V 700 V	275 V 600 V	350 V 575 V	425 V 625 V	450 V 650 V	475 V 700 V	475 V 700 V

Charactariatic		Model No.					
Characteristic	2026-30	2026-35	2026-40	2026-42	2026-47	2026-60	
DC Sparkover ±20 % @ 100 V/s (1)	300 V	350 V	400 V	420 V	470 V	600 V	
Impulse Sparkover (2)							
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⁾ In ionized mode.

⁽²⁾ Impulse Sparkover voltage is defined as typical values of distribution.

	1000 V/µs	
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
Arc Voltage		< 0.5 A
Capacitance	1 MHz	< 2 pF
	>135 V, (52 V for Model 2026-07 & 2026-09,	
-	80 V for Model 2026-15)	
Impulse Discharge Current	20000 A, 8/20 µs ⁽⁴⁾	10 operations
	5000 A, 10/350 μs	1 operation
	1000 A, 10/1000 µs	400 operations
Alternating Discharge Current	130 Arms, 11 cycles (4)	1 operation minimum
	20 Arms, 1 s	
Operation and Storage Temperature		-40 to +90 °C
Moisture Sensitivity Level		1
ESD Classification (HBM)		N/A

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 >10⁸Ω (-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
- (3) Network applied.
- (4) DC Sparkover may exceed ±25 % after discharge, but will continue to protect without venting.



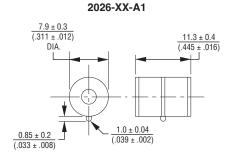
Applications

- Telecommunications
- Industrial electronics
- Commercial electronics
- Consumer electronics

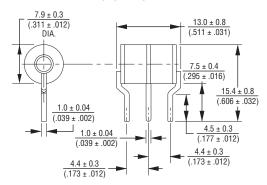
2026 Series - 3-Pole Gas Discharge Tube

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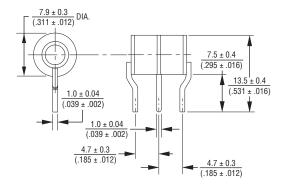
Product Dimensions (additional lead form configurations available upon request)



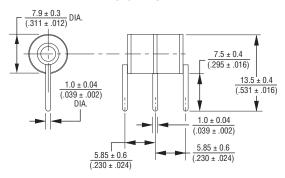
2026-XX-C2



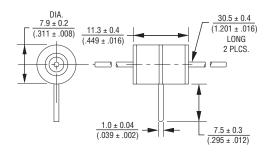
2026-XX-C3



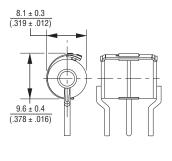
2026-XX-C4



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



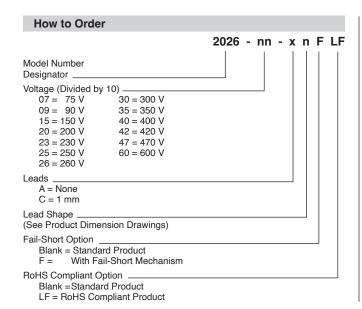
FAIL-SHORT CONFIGURATION 2026-XX-C2F SHOWN



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

2026 Series - 3-Pole Gas Discharge Tube

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Packaging Specifications

	Standard Packaging Quantity			
Model	Bulk (Bag)	Tray	Box	
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
5/1 ®	UL 497B Recognized Component, Category QVGQ2, File E153537
277 ®	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

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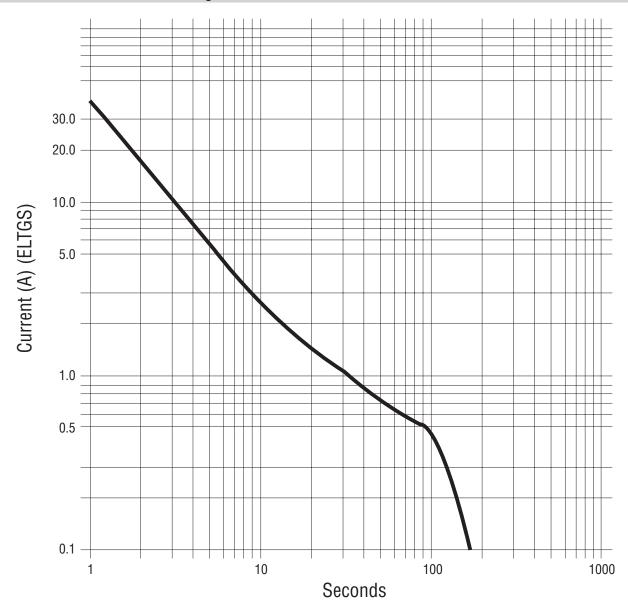
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Switch-Grade Fail-short Device Shorting Curve 2026-XX-XF



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.

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