



## 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     |
|  | 5000 A, 10/350 $\mu$ s .....                    | 1 operation         |
|  | 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..... |   | -40 to +90 °C       |
| Climatic Category (IEC 60068-1).....   |   | 40/ 90/ 21          |

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.

\*RoHS Directive 2002/95/EC Jan 27, 2003 including Annex.

Specifications are subject to change without notice.

Customers should verify actual device performance in their specific applications.

# 2026 Series - 3-Pole Gas Discharge Tube

**BOURNS®**

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

**2026-XX-A**



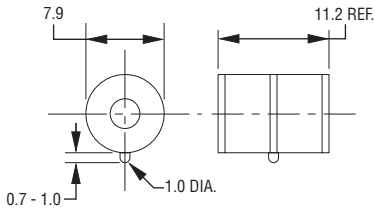
**2026-XX-C4**



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



**2026-XX-A1**

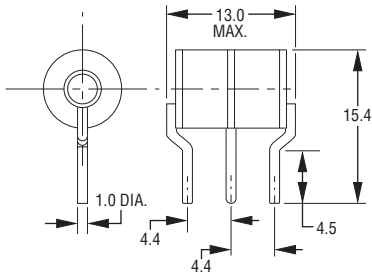


**2026-XX-C8**



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

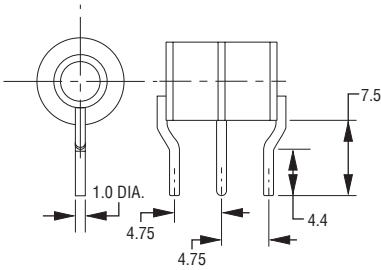
**2026-XX-C2**



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



**2026-XX-C3**



**How to Order**

|                                  |                               |                             |       |       |       |
|----------------------------------|-------------------------------|-----------------------------|-------|-------|-------|
|                                  |                               | <b>2026 - nn - x n F LF</b> |       |       |       |
| 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   |                             |       |       |       |

## 2026 Series - 3-Pole Gas Discharge Tube

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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.

REV. 04/11

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Customers should verify actual device performance in their specific applications.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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