

Features

- 5 mm diameter, 4 mm long (2035 series)
- 5 mm diameter, 5 mm long (2037 series)
- UL Recognized **51**[®]
- High surge current rating
- Stable breakdown throughout life
- RoHS compliant* versions available

Applications

- Telecommunications
- Industrial electronics
- Commercial electronics
- Consumer electronics

2035/2037 Series - Miniature 2-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	2035-2037-09	2035/2037-15	2035/2037-20	2035/2037-23	2035/2037-25	2035/2037-30	
DC Sparkover ±15 % (±20 % for Model 2035/2037-09) @ 100 V/s	90 V	150 V	200 V	230 V	250 V	300V	
Impulse Sparkover (1)							
100 V/μs	300 V	350 V	425 V	450 V	475 V	525 V	
1000 V/μs	550 V	550 V	575 V	600 V	625 V	650 V	

Characteristic	Model No.					
Characteristic	2035/2037-35	2035/2037-40	2035/2037-42	2035/2037-47	2035/2037-60	
DC Sparkover ±15 % @ 100 V/s	350 V	400 V	420 V	470 V	600 V	
Impulse Sparkover (1)						
100 V/μs	600 V	650 V	675 V	750 V	950 V	
1000 V/μs	750 V	800 V	850 V	950 V	1100 V	

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

Insulation Resistance (IR)	100 V (50 V for Models 2035/2037-09)	>10 ¹⁰ Ω
Glow Voltage	10 mA	∼70 V
Arc Voltage	1 A	~10 V
Glow-Arc Transition Current		<0.5 A
Capacitance	1 MHz	<1 pF
	135 V, (52 V for Models 2035/2037-09,	
_	80 V for Models 2035/2037-15)	
Impulse Discharge Current	10000 A, 8/20 µs (3)	1 operation min.
	5000 A, 8/20 µs	>10 operations
	1000 A, 10/350 μs	1 operation
	100 A, 10/1000 μs	
	100 A, 10/700 μs	>500 operations
Alternating Discharge Current	20 Arms, 11 cycles (3)	1 operation min.
	5 Arms, 1 s	
Operating Temperature		55 to +85 °C
Climatic Category (IEC 60068-1)		40/90/21

- UL recognized component, UL File E153537.
- · Model number marking on tube: xxxV.
- Sparkover limits after life ±20 % (-25 %, +30 % for Models 2035/2037-09 and 2035/2037-60) , IR>10^8 Ω .
- Other DC sparkover ranges available on request.
- · At delivery AQL 0.65 Level II, DIN ISO 2859.

(3) DC Sparkover may exceed ±20 % but will continue to protect without venting.

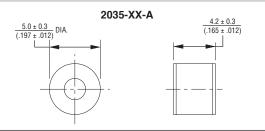


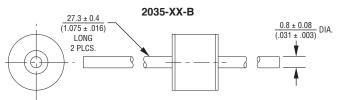
WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

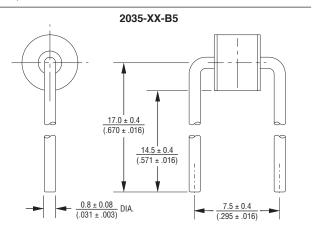
⁽²⁾ Network applied.

2035/2037 Series - Miniature 2-Pole Gas Discharge Tube

Product Dimensions

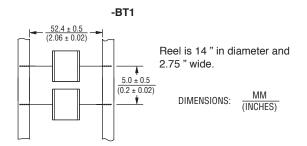




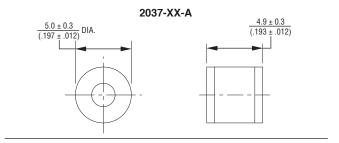


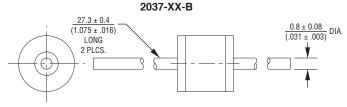
2035-xx-B5 not available in reel pack.

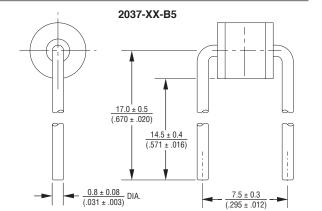
Packaging Specifications



	Standard Packaging Quantity				
Model	Bulk (Bog)	Trov	Box	Reel	
	(Bag)	Tray		neei	
2035/2037-XX-A	250		1000		
2035/2037-XX-B	100		700		
2035/2037-XX-B5	250		1000		
2035/2037-XX-BT1				1000	



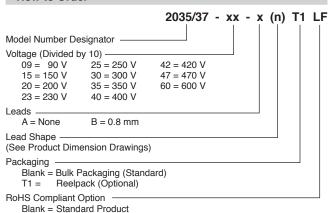




2037-xx-B5 not available in reel pack.

LF = RoHS Compliant Product

How to Order



REV. 11/20

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