

### **Features**

- Compact size: 5.5 mm diameter, 6 mm length
- Low capacitance
- Low leakage
- RoHS compliant\*
- **T** UL Recognized

### **Applications**

- Telecommunications equipment
- Industrial equipment/electronics
- Consumer electronics

2057 Series Light Duty 2-Electrode Miniature Gas Discharge Tube

### Characteristics

Test Methods per ITU-T K.12 and IEC 61643-311.

Characteristic	Model No.						
	2057-07	2057-09	2057-12	2057-13	2057-15	2057-23	
DC Sparkover ±20 % @ 100 V/s	75 V	90 V	120 V	130 V	150 V	230 V	
Impulse Sparkover (1) 100 V/µs 1000 V/µs	< 700 V < 800 V	< 600 V < 700 V					

Characteristic		Model No.					
Characteristic	2057-25	2057-30	2057-35	2057-40	2057-47		
DC Sparkover ±20 % @ 100 V/s	250 V	300 V	350 V	400 V	470 V		
Impulse Sparkover (1)							
100 V/μs	< 600 V	< 700 V	< 700 V	< 800 V	< 900 V		
1000 V/μs	< 700 V	< 900 V	< 900 V	< 1000 V	< 1100 V		

<sup>(1)</sup> Impulse Sparkover voltage is defined as typical values of distribution.

Insulation Resistance (IR) (2)	50 / 100 / 250 Vdc	.>1 GΩ
Glow Voltage	10 mA	. ~ 70 V
Arc Voltage	1 A	. ~ 10 V
Glow-Arc Transition Current		. < 1 A
	1 MHz	
Maximum Impulse Discharge Current	10,000 A, 8/20 μs	1 operation
	5,000 A, 8/20 µs	10 operations
Nominal Alternating Discharge Current	5 A, 50 Hz, 1 second	1 operation
	15 A, 9 cycles	1 operation
Impulse Life	100 A, 10/1000 µs	300 operations
DC Holdover Voltage (3)	······································	. < 150 ms
Operating Temperature		40 to +90 °C
Storage Temperature		40 to +90 °C

#### Notes

- UL Recognized component, UL File E153537.
- · At delivery AQL 0.65, level II DIN ISO 2859

DC Sparkover Voltage DC Measuring Voltage

75–90 V 50 V 120–400 V 100 V 470 V 250 V

(3) Network Applied

DC Sparkover Voltage DC Holdover Voltage

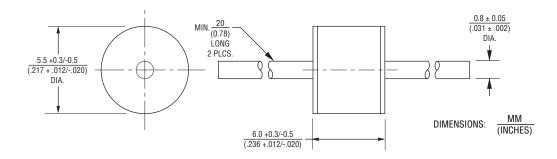
75–145 V 52 V 230–250 V 80 V 300–470 V 150 V



# 2057 Series Light Duty 2-Electrode Miniature Gas Discharge Tube

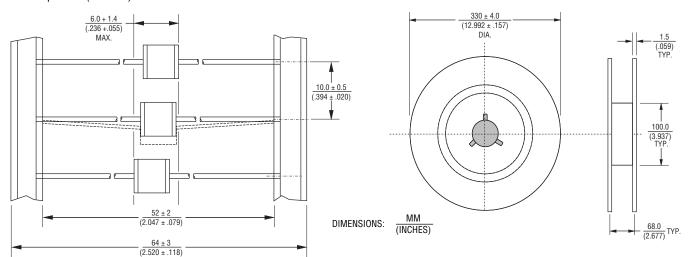
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### **Product Dimensions**

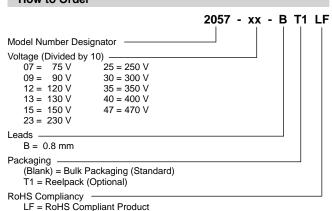


### **Packaging Specifications**

Model 2057 ships standard bulk, 100 pcs. per tray; 5 trays per box (500 units). The optional reelpack (-BT1) contains 500 pcs. per reel; 2 reels per box (1K units).



### How to Order



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