

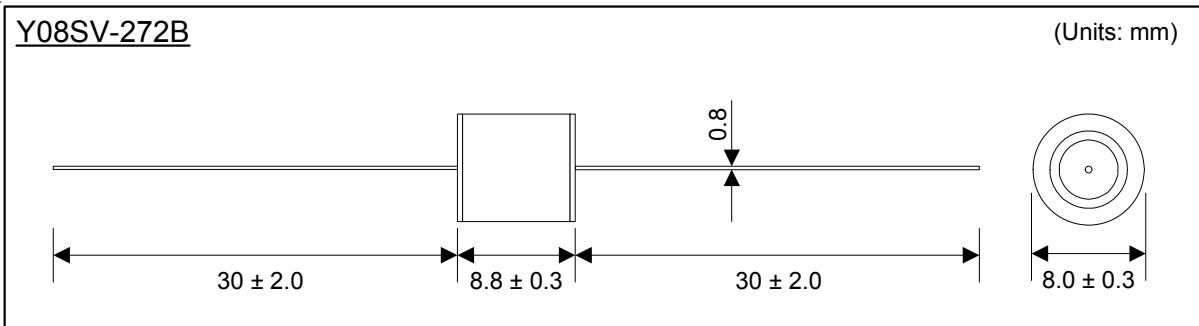
# Two Electrode Gas Tube Surge Arrester

Part Number: **Y08SV-272B**



**Features:**

- UL 1449 & cUL & UL1414 Recognized  
(File E328370 & E165829)
- 100% Lead-Free (RoHS Compliant)
- IEC60950 Line Isolation
- 3.1 mm Internal Electrode Gap  
(Meets VDE Gap Requirement)
- ISO 9001 Certified



**Applications:**

- Transient Voltage Surge Suppression (TVSS),
- AC Line Input Protection, Power Supplies,
- CATV Systems, Televisions, Antennas,
- Set Top Boxes

**Notes:**

- In circuit board applications, the area beneath the gas tube should be clear of copper traces.
- Series resistance, typically an MOV, is required in AC power supply applications to limit follow on current .

Marking Example: Part Number Y08SV-272B

**Y08SV-272B** – Part Number

⚡ 0 1 4

- Month of Manufacture  
1-9: January - September  
X, Y, Z: October - December
- Production Year  
01: 2001
- Sankosha Company Logo

**Electrical Characteristics**

1.	DC Breakdown Voltage	5 kV/sec	2430 - 3000V		
2.	Impulse Breakdown Voltage	1 kV/μsec	< 3900V		
3.	Insulation Resistance	DC 1000V	> 100 M-ohm		
4.	Capacitance	1 MHz	< 1.0 pF		
5.	Impulse Discharge Current	8/20 μsec	10 kA	1 Time	
		8/20 μsec	3 kA	Each Polarity 10 Times	3 Min. Intervals
6.	Impulse Life	8/20 μsec 100A	> 300 times	1-2 Minute Intervals	

**After Life Tests**

7.	DC Breakdown Voltage	5 kV/sec	2230 - 3170V		
8.	Impulse Breakdown Voltage	1 kV/μsec	< 4200V		
9.	Insulation Resistance	DC 1000V	> 1 M-ohm		

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