

*RoHS COMPLIANT



SANKOSHA

Gas Discharge Tube 2PU Series

- SANKOSHA® 2PU Series 2-electrode GDT surge protection devices are designed for board-level applications, offering excellent thermal stability and mechanical shock resistance. With an ultra-low capacitance of 1.0 pF, the U Series is ideal for high-speed and high-bandwidth applications while maintaining signal integrity.
- The compact $\Phi 8 \times 6$ mm, low-profile (6 mm height) design allows easy integration into modern assemblies and withstands impulse currents of 5 kA (8/20 μ s, 10 times) and 10 kA (8/20 μ s, 1 time).
- The product is tested in accordance with IEC 61936 and complies with RoHS and UL standards.

Features	Applications
$\Phi 8 \times 6$ mm	Cable Telephony Products
UL 497B Recognized	Modems/Cable Modems
High Surge Current Rating	Broadband/CATV/Coaxial Protectors
RoHS Compliant	xDSL Modems and Peripherals
ISO 9001 and ISO 14001 Certified	Building Entry/Outside Plant
Low Capacitance ≤ 1 pF	Transient Voltage Surge Suppression (TVSS)

Characteristics

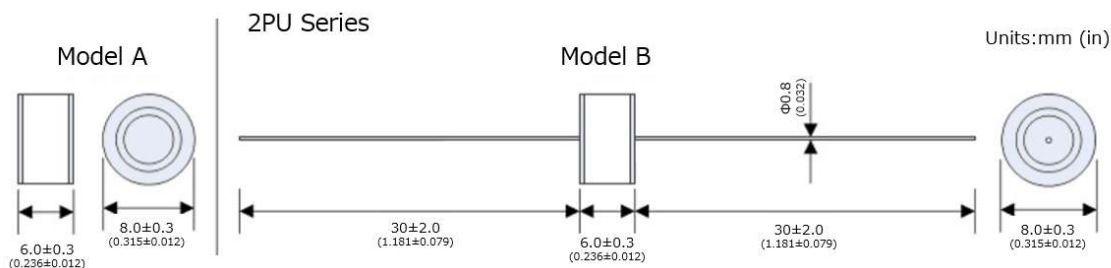
Characteristics	Product Name		
	2PU-5B50	2PU-6B50	2PU-7B50
DC Sparkover @ 100 V/s	250V $\pm$ 15%	300V $\pm$ 15%	350V $\pm$ 15%
Impulse Sparkover			
100V/ μ s	≤ 600	≤ 700	≤ 700
10kV/ μ s	$\leq 1,000$	$\leq 1,000$	$\leq 1,000$

Common Specifications

Insulation Resistance	DC50/100V	$\geq 10,000\text{M}\Omega$
Capacitance	1MHz	$\leq 1.0\text{pF}$
Holdover Voltage	52/135V, 1TU-T K. 12	$\leq 150\text{ms}$
AC Discharge Current	50Hz, 1sec, 10A	10times
Impulse Discharge Current	8/20 μ s 5kA	10times
Impulse Life	10/1000 μ s 500A	500times
Operation and Storage Temperature	...	-40~90°C
Operation and Storage Humidity	...	$\leq 85\%$

Product Dimensions (mm/[inches])

Product Dimensions



Packaging Specifications

Quantity per tray:100pcs

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※2PU Series is referable to U series.

