

Surface Mount Three Electrode Gas Discharge Tube (GDT)

Part Number: 3SDH4-75

Features:

- Small 4.4mm x 7.2mm Footprint
- Surface Mountable
- Low Capacitance
- Bi-Directional
- · RoHS and RoHS2 Compliant
- UL Recognized (497B File E140906)
- ISO 9001 & ISO 14001 Certified

Electrical Characteristics DC Breakdown Voltage (100 V/sec)

- High Current and Multiple Strike Capability
- · Non-Radioactive and Maintenance Free
- Protects Against Lightning, Surges, and Over Voltages



Impulse Break
Insulation Res
Capacitance (a
DC Holdover \
Impulse Life (w
Impulse Disch
AC Discharge
After Life Per
DC Breakdown
Impulse Break
Insulation Res

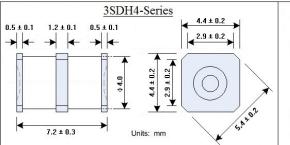
SANKOSHA

Impulse Breakdown Voltage (1 kV/µsec)	≤ 600V	
Insulation Resistance (at 50VDC)	≥ 10,000M Ω	
Capacitance (at 1MHz)	≤ 0.5pF	
DC Holdover Voltage (in accordance to ITU-T K.12)	52V (with current turn-off time of <150ms)	
Impulse Life (with 10/1000µsec impulse)	100A x 2 (300 times)	
Impulse Discharge Current (with 8/20µsec impulse)	5kA x 2 (5 times in each polarity)	
AC Discharge Current (50Hz, 1 second)	5A x 2 (10 times)	
After Life Performance (Specs after exceeding Impulse	Life, Impulse Discharge Current, or AC Discharge Current conditions)	
DC Breakdown Voltage (100 V/sec)	75V ± 30%	
Impulse Breakdown Voltage (1 kV/µsec)	≤ 700V	
Insulation Resistance (at 50VDC)	≥ 100M Ω	
Mechanical Characteristics		
Number of Electrodes & Electrode Material	Three Electrodes, Tin Plated	
Form Factor / Mounting Method	Surface Mount or Clip	
Packaging Type	Tape and Reel (1,800 per reel)	
Environmental Characteristics		
Operating and Storage Temperature Range	-40°C to +90°C (-40°F to 194°F)	
Operating and Storage Humidity	≤ 90% non-condensing	
plications:	Routers and Access Points Modema (Cable Modema	

75V ± 20%

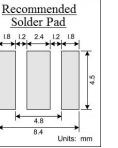
 $(60V \sim 90V)$

- Transient Voltage Surge Suppression (TVSS)
- · Cable and Telephone Products



Sankosha U.S.A., Inc. Torrance, CA 90501

- Modems/Cable Modems
- Broadband/CATV/Coaxial Protectors •



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Marking ≤176 - Production Month 1~9 : Jan. ~Sep. X, Y, Z : Oct. ~Dec. **Production Year** 7 : 2017 8 : 2018 9 : 2019 -Model 75V 4:200V 5:230V 6:350V 2: 90V 3:145V Sankosha Logo

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