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Gas Discharge Tube

Over-Voltage Protection Device

PRODUCT: GTCA26-101M-R05

DOCUMENT: SCD27856 REV LETTER: B

REV DATE: MAY 16, 2011

PAGE NO.: 1 OF 1

Specification Status: Released

Marking: Week of Manufacture Per Raychem Circuit Protection Lot numbering system Eg. H = Second half of 2004; B = week 2 Surge Rating 05: 5kA Product Family Voltage Designator 10: 100V

Manufacturer Mark

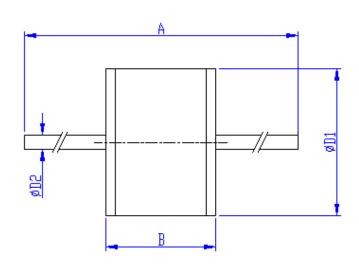


TABLE I. DIMENSIONS

| | Α | | В | | D1 | | D2 |
|-----|--------|--------|--------|--------|--------|--------|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | NOM |
| mm | 60.0 | 64.0 | 4.0 | 4.4 | 5.8 | 6.2 | 0.8 |
| in* | (2.36) | (2.52) | (0.16) | (0.17) | (0.23) | (0.24) | (0.03) |

^{*}Rounded off approximation

TABLE II. Electrical Characteristics (Terms and tests in accordance with ITU-T K.12)

| DC Sparkover Voltage | Impulse Sparkover Voltage | | Insulation Resistance | Capacitance | Impulse Discharge Current 8/20µs |
|----------------------|---------------------------|-----------|-----------------------|-------------|-------------------------------------|
| @ 100V/s | @100V/us | @1000V/µs | @50V _{DC} | @1MHz | 10 hits(5hits for each polarity) |
| 100V ± 20% | ≤450V | ≤550V | ≥ 10,000MΩ | ≤1.0pF | 5kA |

| Impulse Discharge Current 10/1000 μs | AC Discharge Current, 50 Hz | | |
|---|---|--|--|
| 300 hits (150hits for each polarity) | Multiple Hits (1s duration: 10 Hits) | | |
| 100A | 5Arms | | |

General Characteristics

MATERIALS INFORMATION

No Radioactive Materials

Storage temperature: -40°C ... +90°C Operating temperature: -40°C ... +90°C

Electrode: Fe-Ni alloy, Ni plated

Leads: Sn plated

RoHS Compliant ELV Compliant

Directive 2002/95/EC Compliant

Directive 2000/53/EC Compliant

Precedence: This specification takes precedence over documents referenced herein.

Effectivity: Reference documents shall be the issue in effect on the date of invitation for bid.

CAUTION: Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

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