

Gas Discharge Tube

Over-Voltage Protection Device

PRODUCT: GTCA28-302M-R03-2

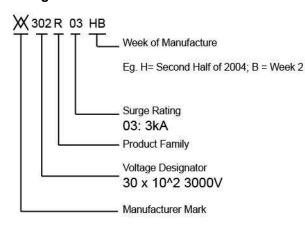
DOCUMENT: SCD29071 REV LETTER: A

REV DATE: JULY 26, 2016

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Specification Status: Released

Marking:



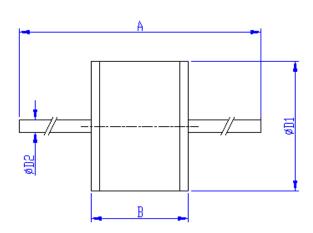


TABLE I. DIMENSIONS:

| | Α | | I | 3 | D1 | | D2 | |
|-----|--------|--------|--------|--------|--------|--------|--------|--|
| | MIN | MAX | MIN | MAX | MIN | MAX | NOM | |
| mm | 58.0 | 66.0 | 5.8 | 6.2 | 7.8 | 8.2 | 0.8 | |
| in* | (2.28) | (2.60) | (0.23) | (0.24) | (0.31) | (0.32) | (0.03) | |

^{*}Rounded off approximation

TABLE II. ELECTRICAL CHARACTERISTICS:

| | DC Sparkover Voltage Impulse Sparkover Voltage Insulation Resistance Capacitance AC Discharge Current, 50 Hz | | | | | | Impulse Discharge Current 8/20us | |
|-----------|---|----------|-----------------------|--------|--|----------------------|---|------|
| @100V | //s | @100V/µs | @1,000V _{DC} | @1MHz | Multiple Hits (1s duration: 10 hits) | Single hit, 9 cycles | 10 hits (5hits for each polarity) | 1hit |
| 3000V ± 2 | 20% | ≤4000V | ≥ 10,000MΩ | ≤1.0pF | 1A | 5A | 3kA | 10kA |

General Characteristics:

No Radioactive Materials

Storage temperature: -40°C ... +90°C
Operating temperature: -40°C ... +90°C
Electrode: Fe-Ni alloy, Ni plated
Lead: Sn Plated Copper



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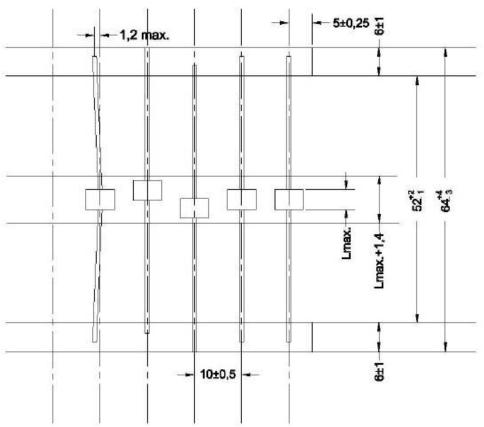
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Packaging Information (unit: mm):



Packaging Quantity:

| REEL | STANDARD PACKAGE | | |
|--------|------------------|--|--|
| 250PCS | 1,000PCS | | |

Agency Recognitions: UL1449 Recognized (File# E332226)

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

Materials Information

ROHS Compliant ELV Compliant Pb-Free

Directive 2002/95/EC Compliant

Directive 2000/53/EC Compliant





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