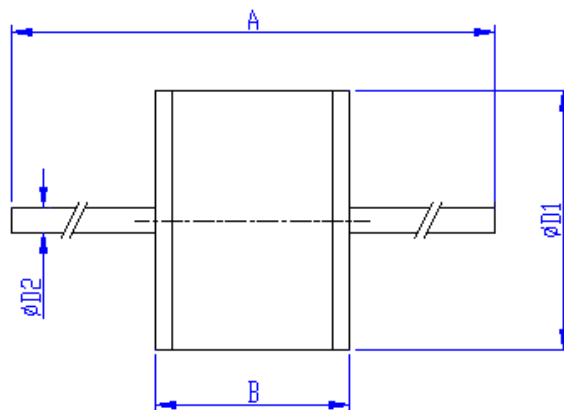
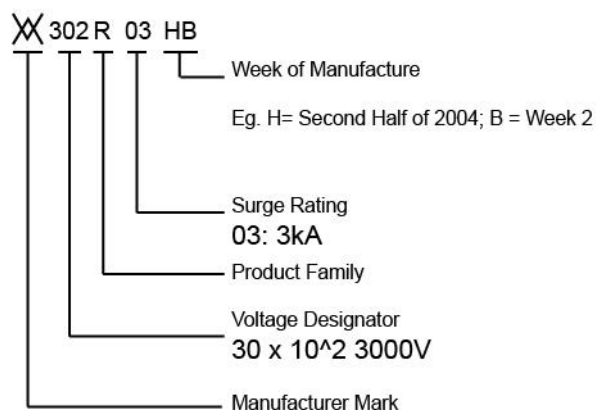


**Specification Status: Released**

**Marking:**



**TABLE I. DIMENSIONS:**

|     | A      |        | B      |        | 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 8/20μs  |      |
|----------------------|---------------------------|-----------------------|-------------|--------------------------------------|----------------------|-----------------------------------|------|
| @100V/s              | @100V/μs                  | @1,000V <sub>DC</sub> | @1MHz       | Multiple Hits (1s duration: 10 hits) | Single hit, 9 cycles | 10 hits (5hits for each polarity) | 1hit |
| 3000V ± 20%          | ≤4000V                    | ≥ 10,000MΩ            | ≤1.0pF      | 1A                                   | 5A                   | 3kA                               | 10kA |

**General Characteristics:**

No Radioactive Materials

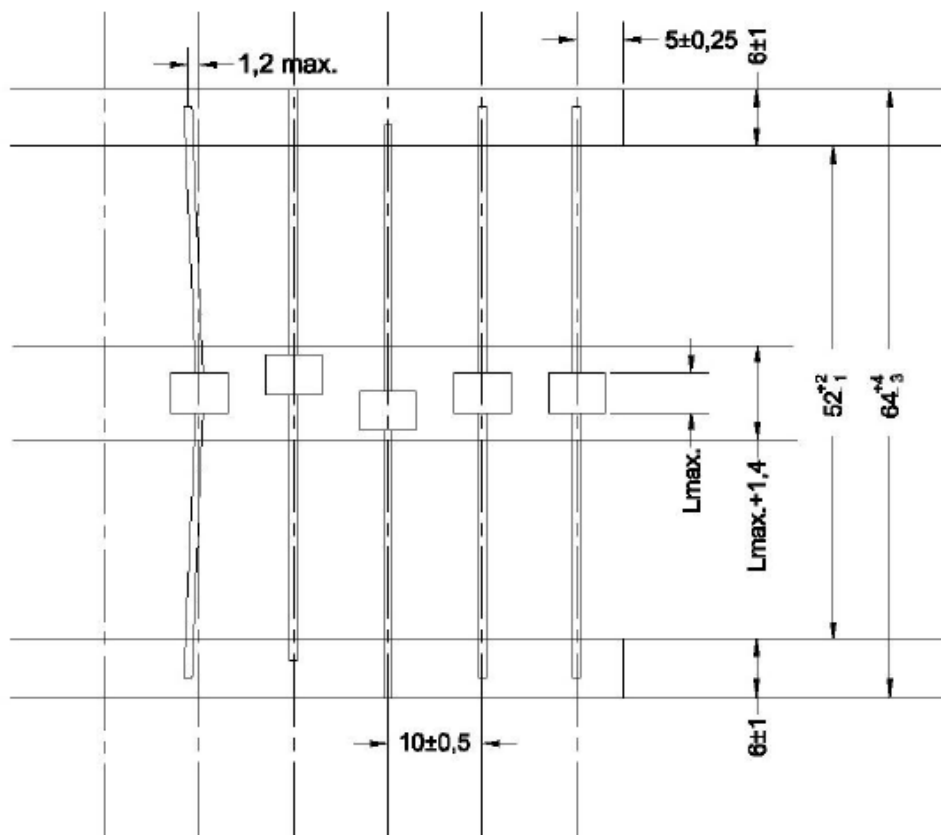
Storage temperature: -40°C ... +90°C

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

Electrode: Fe-Ni alloy, Ni plated

Lead: Sn Plated Copper

## Packaging Information (unit: mm):



## Packaging Quantity:

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

Agency Recognitions:

Precedence:

Effectivity:

CAUTION:

UL1449 Recognized (File# E332226)

This specification takes precedence over documents referenced herein

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

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

## Materials Information

ROHS Compliant

Directive 2002/95/EC  
Compliant

ELV Compliant

Directive 2000/53/EC  
Compliant

Pb-Free





Expertise Applied | Answers Delivered

## Gas Discharge Tube

Over-Voltage Protection Device

**PRODUCT: GTCA28-302M-R03-2**

DOCUMENT: SCD29071  
REV LETTER: A  
REV DATE: JULY 26, 2016  
PAGE NO.: 3 OF 3

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