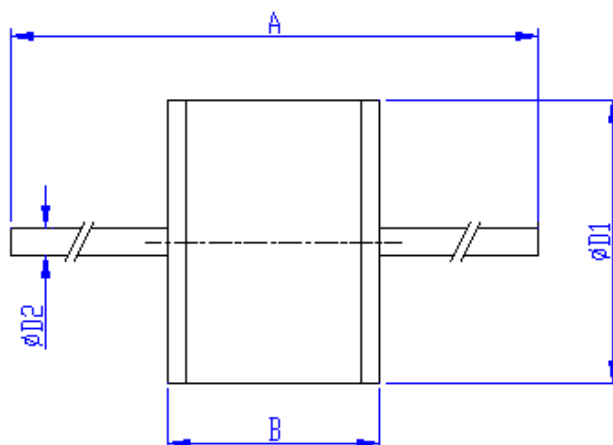
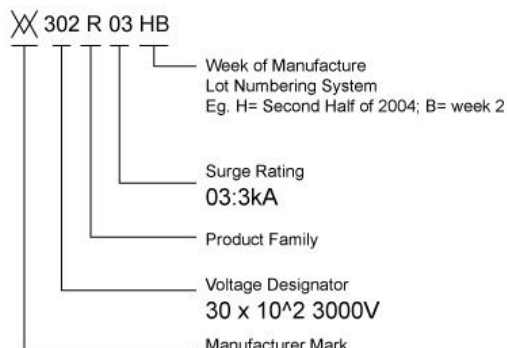


**Specification Status: Released**

**Marking:**



**TABLE I. DIMENSIONS:**

| A      |        | B      |        | D1     |        | D2     |
|--------|--------|--------|--------|--------|--------|--------|
| MIN    | MAX    | MIN    | MAX    | MIN    | MAX    | NOM    |
| 58.0   | 66.0   | 5.8    | 6.2    | 7.8    | 8.2    | 0.8    |
| (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<br>(1s duration: 10 hits) | Single hit,<br>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

Agency Recognitions: UL1449 (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**

Directive 2002/95/EC  
Compliant

**ELV Compliant**

Directive 2000/53/EC  
Compliant

## Gas Discharge Tube

### Over-Voltage Protection Device

**PRODUCT: GTCA28-302M-R03**DOCUMENT: SCD27870  
REV LETTER: C  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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