

## Specification Status: Released

### Marking:

XX 60 R 20 HB

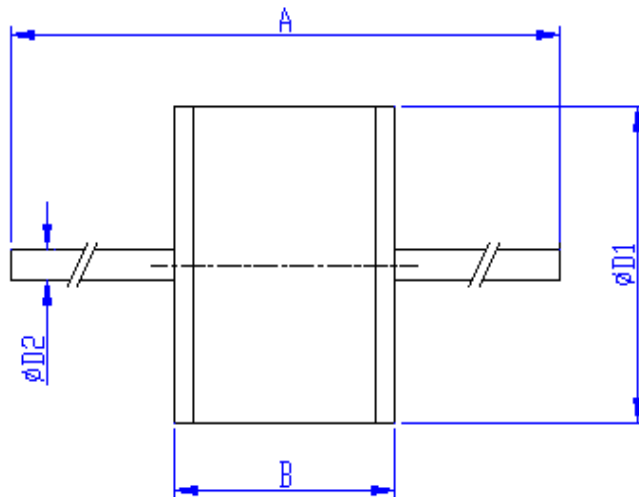
**Week of Manufacture**  
Per Manufacturer's  
Lot numbering system  
Eg. H = Second half of 2004; B = week 2

**Surge Rating**  
20: 20kA

**Product Family**

**Voltage Designator**  
60: 600V

**Manufacturer's Mark**



**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    | 1.0    |
| in* | (2.28) | (2.60) | (0.23) | (0.24) | (0.31) | (0.32) | (0.04) |

\*Rounded off approximation

**TABLE II. ELECTRICAL CHARACTERISTICS**

| DC Sparkover Voltage* | Impulse Sparkover Voltage |           | Insulation Resistance | Capacitance | Impulse Discharge Current 8/20μs  |
|-----------------------|---------------------------|-----------|-----------------------|-------------|-----------------------------------|
| @ 100V/s              | @100V/μs                  | @1000V/μs | @100Vdc               | @ 1MHz      | 10 hits(5 hits for each polarity) |
| 600V ± 15%            | ≤900V                     | ≤1,000V   | ≥10,000Mohms          | <1.5pF      | 20kA                              |

\*In ionized mode

Testing methods and specifications referring to ITU-T K.12

### General Characteristics:

No Radioactive Materials

Storage temperature: -40°C ... +90°C

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

Electrode: Tin Plated

Agency Recognitions:

Precedence:

Effectivity:

CAUTION:

UL Recognized

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**



## Gas Discharge Tube

### Over-Voltage Protection Device

**PRODUCT: GTCA28-601L-R20**

DOCUMENT : SCD28807  
REV LETTER : A  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 of 2

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