



Expertise Applied | Answers Delivered

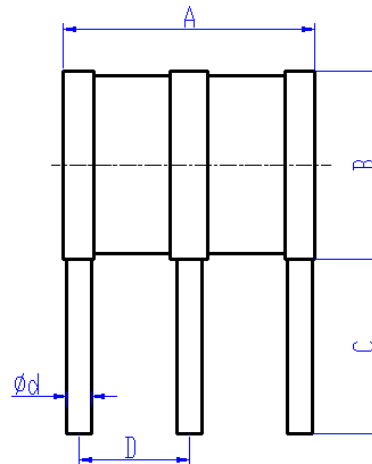
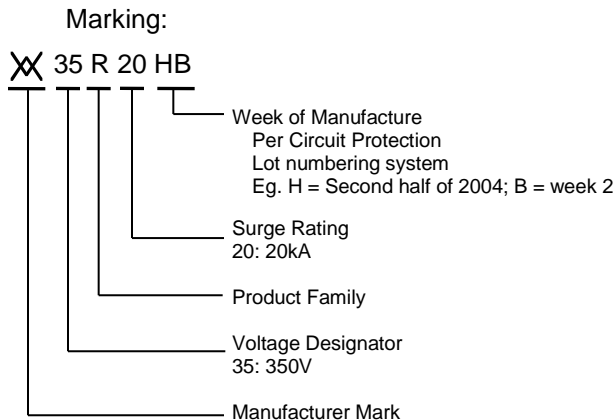
# Gas Discharge Tube

## Over-Voltage Protection Device

**PRODUCT: GTCR38-351M-R20**

DOCUMENT: SCD27687  
 REV LETTER: B  
 REV DATE: July 26, 2016  
 PAGE NO.: 1 OF 2

### Specification Status: Released



**TABLE I. DIMENSIONS**

	A		B		C		D		Ød
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM
mm:	9.7	10.3	7.3	7.7	6.5	7.5	4.1	4.7	1.0
in*:	(0.382)	(0.406)	(0.287)	(0.303)	(0.256)	(0.295)	(0.161)	(0.185)	(0.039)

\*Rounded off approximation

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

DC Sparkover Voltage (A-E) (B-E)	Impulse Sparkover Voltage (A-E) (B-E)		Insulation Resistance @100V <sub>DC</sub>	Capacitance @1MHz	Impulse Discharge Current 8/20µs
	@100V/µs	@1000V/µs			(A+B-E)
350V ± 20%	≤900V	≤1000V	≥ 10,000MΩ	<1.0pF	10 hits(5hits for each polarity) 20kA

Impulse Discharge Current 10/1000 µs (A+B-E)	AC Discharge Current, 50 Hz (A+B-E)
300 hits (150hits for each polarity)	Multiple Hits (1s duration: 10 Hits)
200A	20Arms

**General Characteristics**

No Radioactive Materials

Storage temperature: -40°C ... +90°C  
 Operating temperature: -40°C ... +90°C  
 Electrode Material: Ni Plating  
 Lead Material: Sn Plating

**Materials Information**

RoHS Compliant Directive 2002/95/EC Compliant ELV Compliant Directive 2000/53/EC Compliant Pb-Free

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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