

# **Gas Discharge Tube**

**Over-Voltage Protection Device** 

PRODUCT: GTCA38-900M-R20

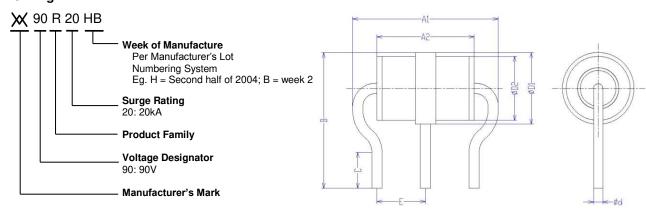
DOCUMENT: SCD28808 REV LETTER: A

**REV DATE: JULY 26, 2016** 

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# **Specification Status: Released**

## Marking:



## **TABLE I. DIMENSIONS:**

	A 1		A2		В	С		ØD1	
	MIN	MAX	MIN	MAX	Norm.	MIN	MAX	MIN	MAX
mm :	11.4	13.4	9.7	10.3	15.0	4.5	6.0	7.8	8.2
in*:	(0.449)	(0.528)	(0.382)	(0.406)	(0.591)	(0.177)	(0.236)	(0.307)	(0.323)

	Ø	)2	E	Ød	
	MIN	MAX	MIN	MAX	Norm
mm:	7.0	7.4	4.1	4.7	1.0
in*:	(0.275)	(0.2891)	(0.161)	(0.185)	(0.039)

<sup>\*</sup>Rounded off approximation

# TABLE II. ELECTRICAL CHARACTERISTICS (TERMS AND TESTS IN ACCORDANCE WITH ITU-T K.12)

DC Sparkover Voltage	er Impulse Sparkover Voltage		Insulation Capacitanc Resistance e		Impulse Discharge Current 8/20µs	AC Discharge Current, 50 Hz	Impulse Life 10/1000µs
(A-E) (B-E)	(A-E) (B-E)				(A+B-E)	(A+B-E)	(A+B-E)
@ 100V/s	@100V/u s	@1000V/µ s	@50V <sub>DC</sub>	@1MHz	10 hits(5hits for each polarity)	Multiple Hits (1s duration: 10 Hits)	300hits(150 hits for each polarity)
90V ± 20%	≤450	≤550V	≥ 10,000MΩ	<1.0pF	20kA	20Arms	200A



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#### **General Characteristics:**

No Radioactive Materials

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

Agency Recognitions: UL497B Recognized (File# E179610)

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 Pb-Free



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