

Gas Discharge Tube

Over-Voltage Protection Device

PRODUCT: GTCS25-900M-R05-2

DOCUMENT: SCD28611

REV LETTER: A

REV DATE: AUGUST 6, 2013

PAGE NO.: 1 OF 3

Specification Status: Released

Marking:

XX 90 R 05 HB

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

Surge Rating
05: 05kA

Product Family

Voltage Designator
90: 90V

Manufacturer's Mark

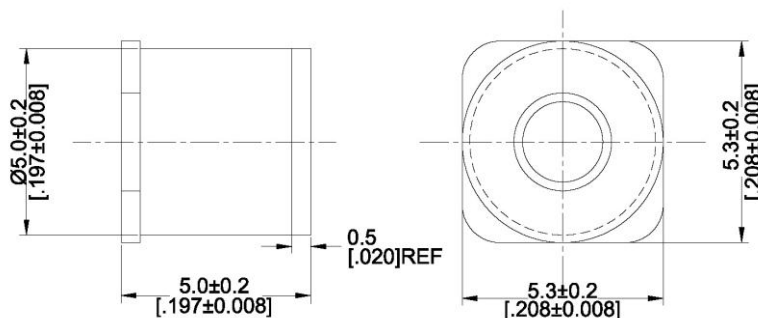


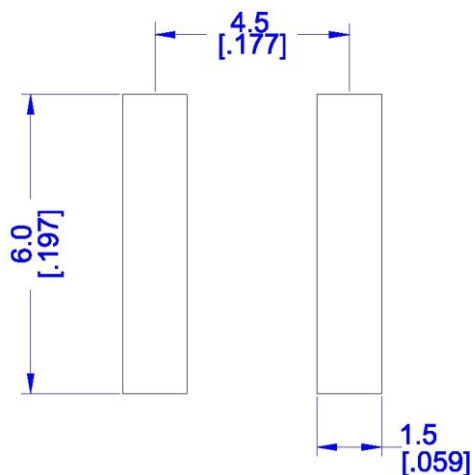
TABLE I. ELECTRICAL CHARACTERISTICS:

DC Sparkover Voltage*	Impulse Sparkover Voltage		Insulation Resistance	Capacitance	Impulse Discharge Current 8/20μs
@ 100V/s	@100V/μs	@1000V/μs	@50V _{DC}	@1MHz	10 hits(5 times each polarity)
90V ± 20%	≤ 450V	≤ 550V	≥ 10,000MΩ	<1pF	5kA

*In ionized mode

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

PAD LAYOUT-SURFACE MOUNT DEVICES



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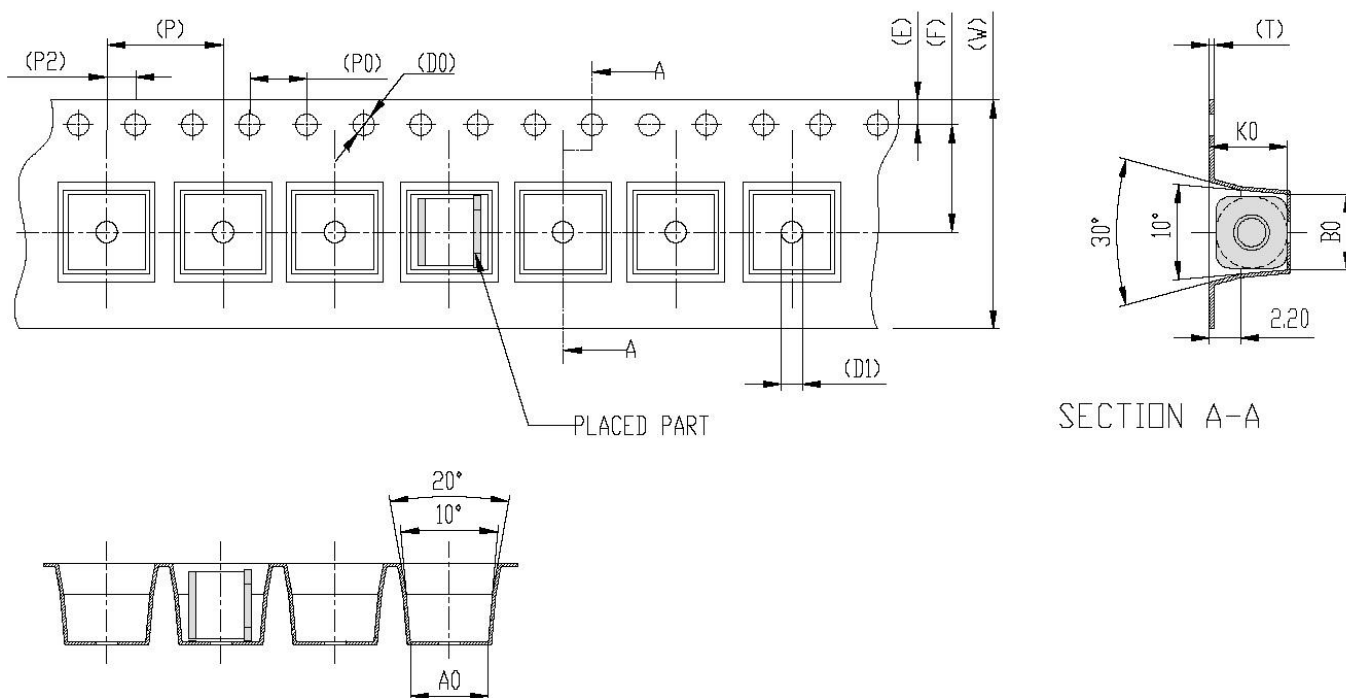
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TAPING INFORMATION (ACCORDING TO EIA-481):



DIMENSION IN MM							
W	16.00±0.30	P	8.00±0.10	A0	5.45±0.10	B0	5.30±0.10
S		P0	4.00±0.10				
E	1.75±0.10	P2	2.00±0.10				
F	7.50±0.10	D0	ø1.50 ^{+0.10} ₀	K0	5.45±0.10		
T	0.40±0.05	D1				COLOR : B	

GENERAL CHARACTERISTICS

No Radioactive Materials

Storage temperature: -40°C ... +90°C

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

Electrode: Sn 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

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Materials Information

ROHS Compliant

Directive 2002/95/EC
Compliant

ELV Compliant

Directive 2000/53/EC
Compliant

Pb-Free



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