Gas Discharge Tube

Over-Voltage Protection Device

PRODUCT: GTCS25-471L-R05

DOCUMENT: SCD28505
REV LETTER: A
REV DATE: JULY 26, 2016

Specification Status: Released

Marking:

XX 47 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
  47: 470V
- Manufacturer's Symbol

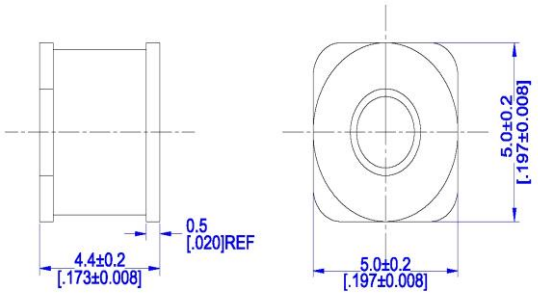
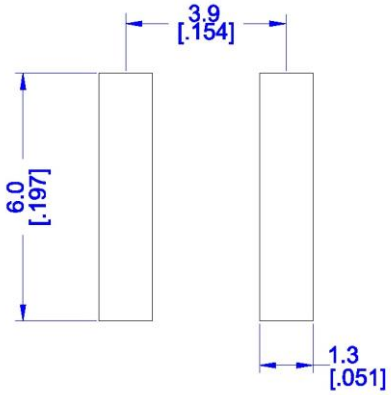


TABLE I. ELECTRICAL CHARACTERISTICS:

DC Sparkover Voltage*	Impulse Sparkover Voltage		Insulation Resistance	Capacitance	Impulse Discharge Current 8/20µs	AC Discharge Current, 50 Hz	Impulse Discharge Current, 10/1000µs
@ 100V/s	@100V/µs	@1000V/µs	@100V_{DC}	@1MHz	10 hits(5 times each polarity)	Multiple Hits (1s duration: 10 Hits)	300 hits(150 times each polarity)
470V ± 15%	≤750V	≤950V	≥ 10,000MΩ	<1pF	5kA	5A	100A

*In ionized mode
Testing methods and specifications referring to ITU-T K.12

PAD LAYOUT-SURFACE MOUNT DEVICES



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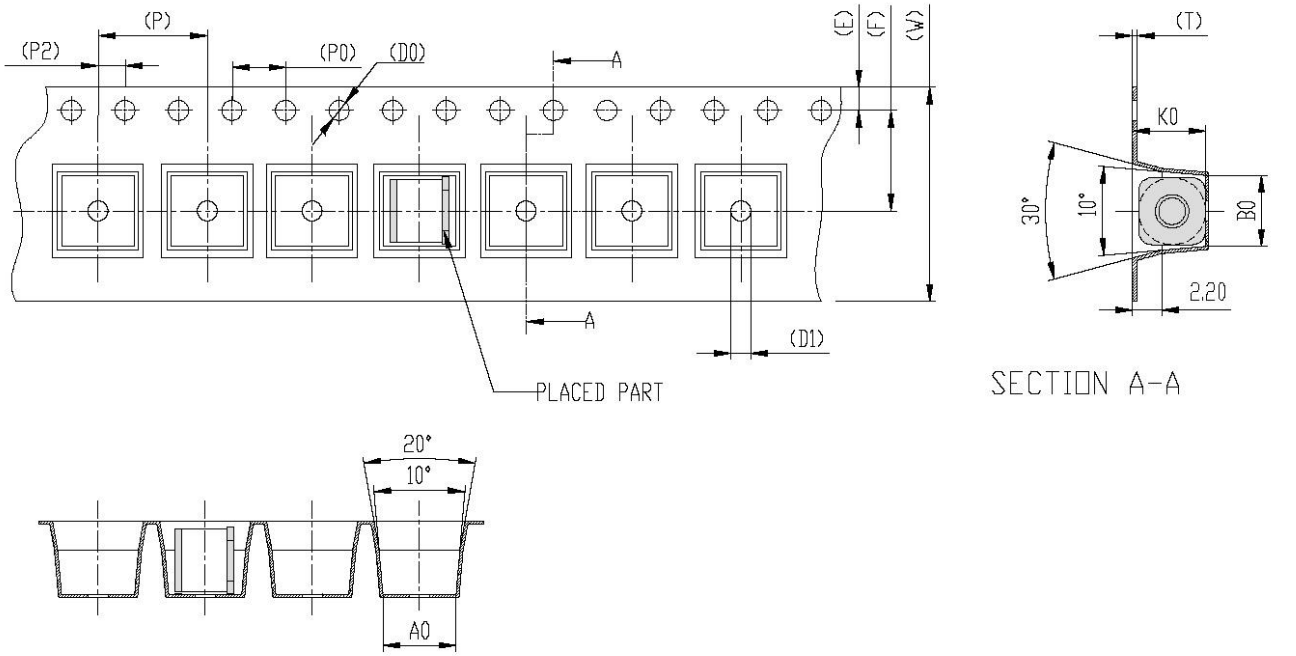
TAPING INFORMATION (ACCORDING TO EIA-481):



DIMENSION IN MM							
W	16.00±0.30	P	8.00±0.10	A0	4.90±0.10	B0	5.50±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	5.30±0.10		
T	0.40±0.05	D1	ø1.50 MIN			COLOR : B	

PACKAGING QUANTITY:

REEL	STANDARD PACKAGE
1,500 pcs.	12,000 pcs.

General Characteristics

No Radioactive Materials
Storage temperature: -40°C … +90°C
Operating temperature: -40°C … +90°C
Electrode Material: 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

Materials Information

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