308 Constitution Drive
Menlo Park, CA 94025-1164
Phone: 800-227-4856
www.circuitprotection.com

Gas Discharge Tube

Over-Voltage Protection Device

PRODUCT: GTCT36-201M-R05

DOCUMENT: SCD28294
REV LETTER: A
REV DATE: FEBRUARY 24, 2012

Specification Status: Released

Marking:

XX 20 R 05 HB

- **Week of Manufacture**
  Per Manufacturer's
  Lot numbering system
  Eg. H = Second half of 2004; B = week 2
- **Surge Rating**
  05: 5kA
- **Product Family**
- **Voltage Designator**
  20: 200V
- **Manufacturer's Mark**

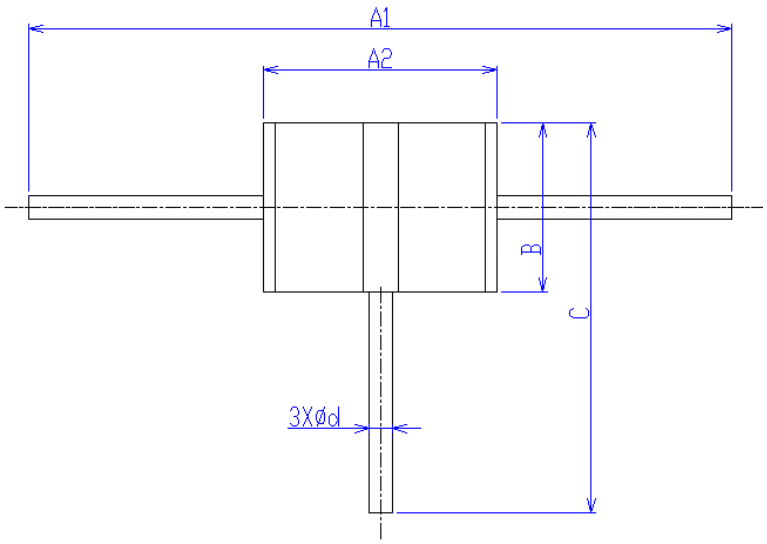

TABLE I. DIMENSIONS:

	A1		A2		B		C		Ød
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM
mm:	40.0	46.0	7.8	8.2	5.8	6.2	12.0	16.0	0.8
in*:	(1.57)	(1.81)	(0.307)	(0.323)	(0.228)	(0.244)	(0.47)	(0.63)	(0.032)

*Rounded off approximation

TABLE II. ELECTRICAL CHARACTERISTICS:

DC Sparkover Voltage* (A-E) (B-E)	Impulse Sparkover Voltage (A-E) (B-E)		Insulation Resistance	Capacitance	AC Discharge Current, 50 Hz (A+B-E)	Impulse Discharge Current 10/1000 µs	Impulse Discharge Current, 8/20 µs (A+B-E)
@ 100V/s	@100V/µs	@1000V/µs	@100V_{DC}	@1MHz	Multiple Hits (1s duration: 10 hits)	300 hits (150hits for each polarity)	10 hits (5hits for each polarity)
200V ± 20%	≤600V	≤700V	≥ 10,000MΩ	<1.0pF	5Arms	200A	5kA

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

General Characteristics

No Radioactive Materials
Storage temperature: -40°C … +85°C
Operating temperature: -40°C … +85°C
Electrode Material : Ni Plating
Leads Material: Sn Plating

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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