



308 Constitution Drive
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Gas Discharge Tube

Over-Voltage Protection Device

PRODUCT: GTCT36-201M-R05

DOCUMENT: SCD28294

REV LETTER: A

REV DATE: FEBRUARY 24, 2012

PAGE NO.: 1 OF 2

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

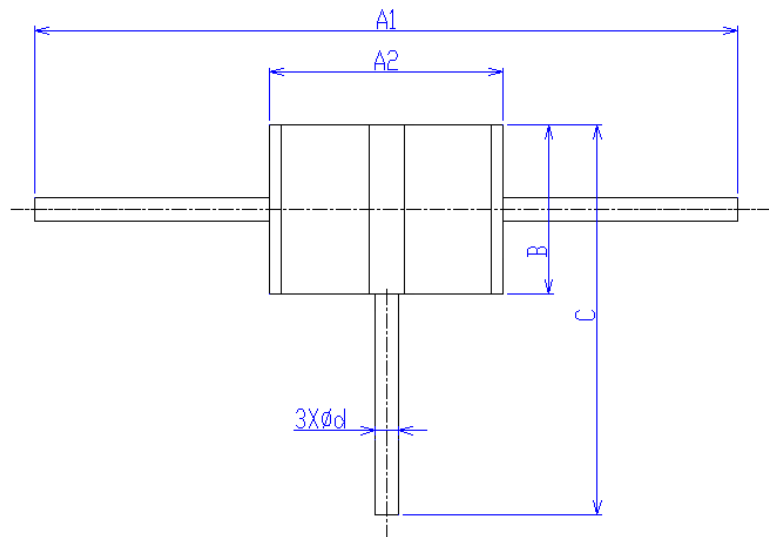


TABLE I. DIMENSIONS:

	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



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