



Expertise Applied | Answers Delivered

Gas Discharge Tube

Over-Voltage Protection Device

PRODUCT: GTCA28-102M-R03-2

DOCUMENT: SCD28610

REV LETTER: A

REV DATE: JULY 26,2016

PAGE NO.: 1 of 3

Specification Status: Released

Marking:

XX 102 R 03 HB

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

Surge Rating
03: 03kA

Product Family

Voltage Designator
102: 1000V

Manufacturer's Mark

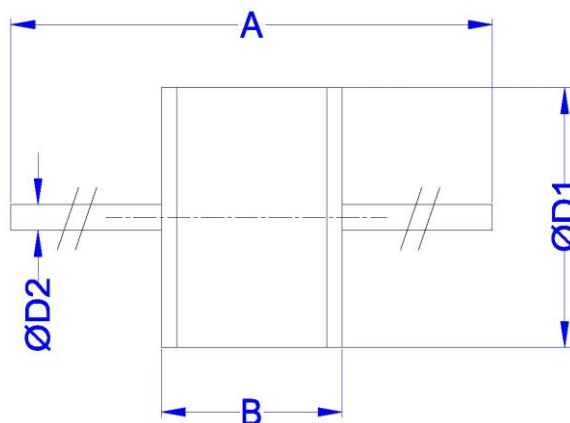


TABLE 1. DIMENSIONS:

	A		B		ØD1		ØD2
	MIN	MAX	MIN	MAX	MIN	MAX	NOM
mm:	58.0	66.0	5.8	6.2	7.8	8.2	0.8
in*:	(2.28)	(2.60)	(0.23)	(0.24)	(0.31)	(0.32)	(0.03)

*Rounded off approximation

TABLE 2. ELECTRICAL CHARACTERISTICS:

DC Sparkover Voltage*	Impulse Sparkover Voltage	Insulation Resistance	Capacitance	Impulse Discharge Current 8/20µs		AC Discharge Current, 50 Hz	
@ 100V/s	@100V/µs	@250Vdc	@ 1MHz	10 hits(5 hits for each polarity)	1 hit	Multiple Hits (1s duration: 10 Hits)	Single hit, 9 cycles
1000V ± 20%	≤1,700V	≥10,000Mohm s	<1.0pF	3kA	10KA	1A	5A

*In ionized mode

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



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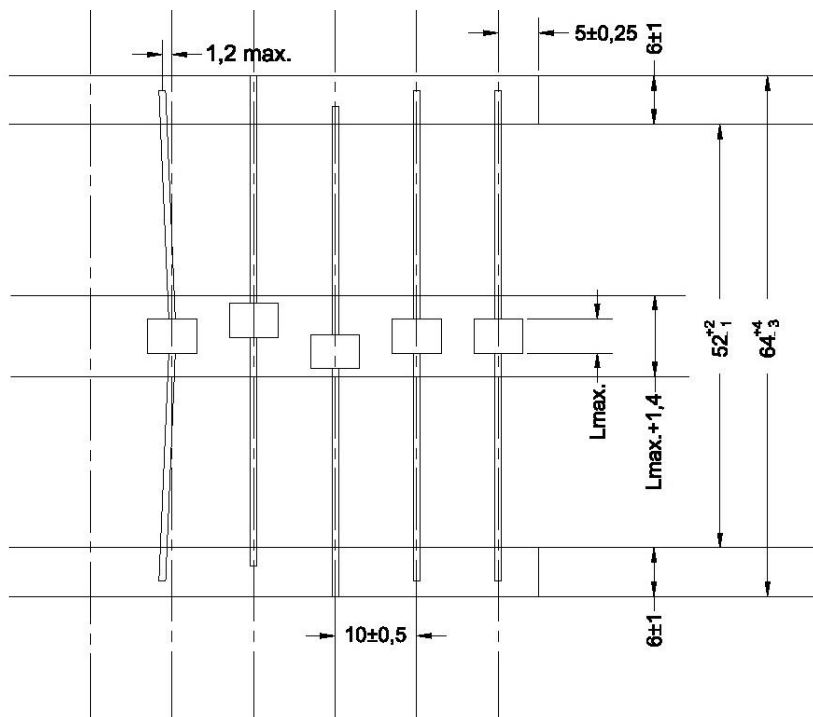
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PAGE NO.: 2 of 3

TAPING INFORMATION: [Unit:mm]



Packaging Quantity:

REEL	STANDARD PACKAGE
250 pcs.	1,000 pcs.

General Characteristics

No Radioactive Materials

Storage temperature: -40°C ... +90°C

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

Electrode Material: Fe-Ni alloy, Ni plated

Lead Material: Sn plated Copper

Agency Recognitions: UL1449 Recognized (File# E332226)

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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