Littelfuse
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Gas Discharge Tube

Over-Voltage Protection Device

PRODUCT: GTCR38-601M-R20

DOCUMENT: SCD28627
REV LETTER: A
REV DATE: JULY 26,2016

Specification Status: Released

Marking:

XX 60 R 20 HB

- **Week of Manufacture**
  Per Manufacturer's
  Lot numbering system
  Eg. H = Second half of 2004; B = week 2
- **Surge Rating**
  20: 20kA
- **Product Family**
- **Voltage Designator**
  60: 600V
- **Manufacturer's Mark**

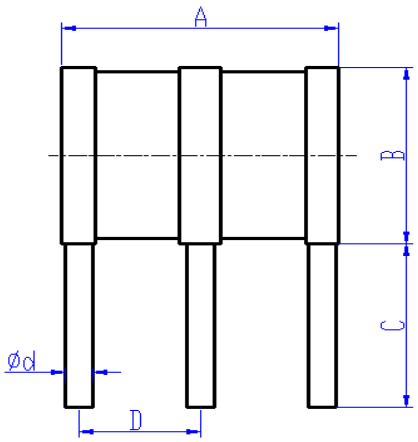


TABLE I. DIMENSIONS

	A		B		C		D		Ød
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM
mm:	9.7	10.3	7.3	7.7	6.5	7.5	4.1	4.7	1.0
in*:	(0.382)	(0.406)	(0.287)	(0.303)	(0.256)	(0.295)	(0.161)	(0.185)	(0.039)

*Rounded off approximation

TABLE II. Electrical Characteristics (Terms and tests in accordance with ITU-T K.12)

DC Sparkover Voltage	Impulse Sparkover Voltage		Insulation Resistance	Capacitance	Impulse Discharge Current 8/20µs	AC Discharge Current, 50 Hz
(A-E) (B-E)	(A-E) (B-E)				(A+B-E)	(A+B-E)
@ 100V/s	@100V/us	@1000V/µs	@250V_{DC}	@1MHz	10 hits(5hits for each polarity)	Multiple Hits (1s duration: 10 Hits)
600V ± 20%	⩽1300V	⩽1400V	≥ 10,000MΩ	<1.0pF	20kA	20Arms

General Characteristics:

No Radioactive Materials
Storage temperature: -40°C … +90°C
Operating temperature : -40°C … +90°C
Electrode Material: Ni Plating
Lead Material: Tin 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
Directive 2002/95/EC Compliant

ELV Compliant
Directive 2000/53/EC Compliant

Pb-Free
Pb

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Specifications are subject to change without notice.
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