Littelfuse
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Gas Discharge Tube

Over-Voltage Protection Device

PRODUCT: GTCR25-601L-R05

DOCUMENT: SCD28917
REV LETTER: A
REV DATE: JULY 26, 2016

Specification Status: Released

Marking:

XX 60 R 05 HB

- **Week of Manufacture**
  - Per Manufacturer's
  - Lot numbering system
  - Eg. H = Second half of 2004; B = weel
- **Surge Rating**
  - 05: 5kA
- **Product Family**

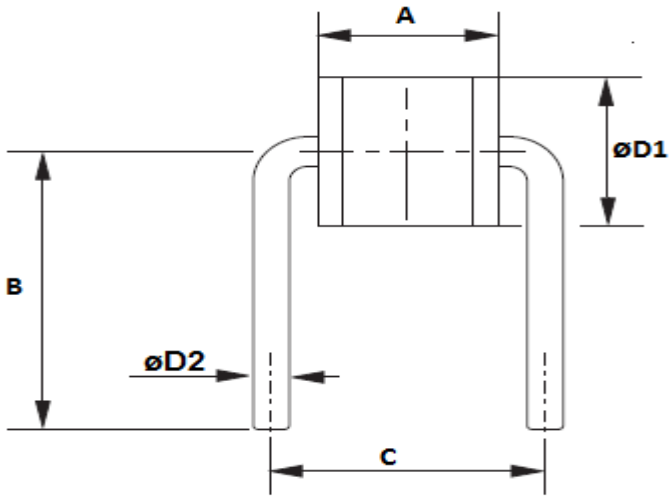


TABLE I. DIMENSIONS

	A		B	C		D1		D2
	MIN	MAX	NOM	MIN	MAX	MIN	MAX	NOM
mm	4.8	5.2	10	7.3	7.9	4.8	5.2	0.8
in*	(0.19)	(0.20)	(0.39)	(0.29)	(0.31)	(0.19)	(0.20)	(0.032)

*Rounded off approximation

TABLE II. ELECTRICAL CHARACTERISTICS

DC Sparkover Voltage*	Impulse Sparkover Voltage		Insulation Resistance	Capacitance	AC Discharge Current, 50 Hz	Impulse Discharge Current 10/1000 µs	Impulse Discharge Current, 8/20 µs
@ 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)
600V ± 15%	≤950V	≤1100V	≥ 10,000MΩ	<1.0pF	5Arms	100A	5kA

*In ionized mode

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

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Specifications are subject to change without notice.
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General Characteristics:

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

Lead Material: Tin Plated

Agency Recognitions:	UL Recognized
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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