

**Specification Status: Released**

**Marking:**

XX 60 R 05 HB

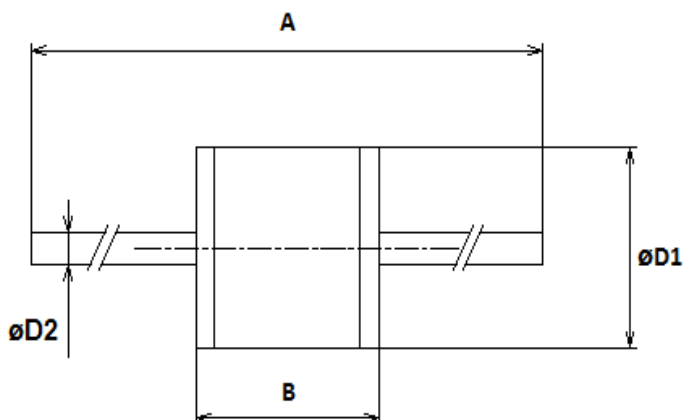
**Week of Manufacture**  
Per Manufacturer's  
Lot numbering system  
Eg. H = Second half of 2004; B = wee

**Surge Rating**  
05: 5kA

**Product Family**

**Voltage Designator**  
60: 600V

**Manufacturer's Mark**



**TABLE I. DIMENSIONS**

	A		B		D1		D2
	MIN	MAX	MIN	MAX	MIN	MAX	NOM
mm	56.0	64.0	4.8	5.2	4.8	5.2	0.8
in*	(2.20)	(2.52)	(0.19)	(0.20)	(0.19)	(0.20)	(0.032)

\*Rounded off approximation

**TABLE II. ELECTRICAL CHARACTERISTICS**

DC Sparkover Voltage*	Impulse Sparkover Voltage <sup>(1)</sup>		Insulation Resistance	Capacitance	AC Discharge Current, 50 Hz	Impulse Discharge Current 10/1000 $\mu$ s	Impulse Discharge Current, 8/20 $\mu$ s
@ 100V/s	@100V/ $\mu$ s	@1000V/ $\mu$ s	@250V <sub>DC</sub>	@1MHz	Multiple Hits (1s duration: 10 hits)	300 hits (150hits for each polarity)	10 hits (5hits for each polarity)
600V $\pm$ 15%	950V	1100V	$\geq$ 10,000M $\Omega$	<1.0pF	5Arms	100A	5kA

\*In ionized mode

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

Impulse Sparkover Voltage is defined as typical values of distribution.

**General Characteristics:**

No Radioactive Materials

Storage temperature: -40°C ... +90°C

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

Electrode: Ni Plating

Lead Material: Tin Plated

## Gas Discharge Tube

### Over-Voltage Protection Device

**PRODUCT: GTCA25-601L-R05**

DOCUMENT: SCD29023  
REV LETTER: A  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

#### Agency Recognitions:

Precedence:

Effectivity:

CAUTION:

flame

#### UL Recognized

This specification takes precedence over documents referenced herein

Reference documents shall be the issue in effect on the date of invitation for bid

Operation beyond the rated voltage or current may result in rupture, electrical arcing or

## Materials Information

#### ROHS Compliant

Directive 2002/95/EC  
Compliant

#### ELV Compliant

Directive 2000/53/EC  
Compliant

#### Pb-Free



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