

Specification Status: Released

Marking:

⌵ 47 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
47: 470V

Manufacturer's Mark

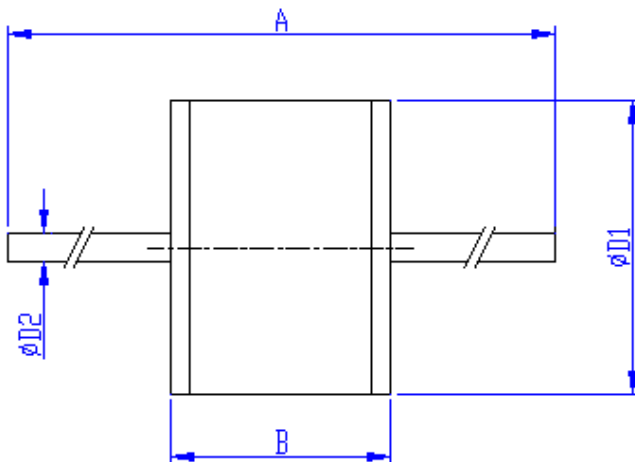


TABLE I. DIMENSIONS

	A		B		D1		D2
	MIN	MAX	MIN	MAX	MIN	MAX	NOM
mm	58.0	66.0	5.8	6.2	7.8	8.2	1.0
in*	(2.28)	(2.60)	(0.23)	(0.24)	(0.31)	(0.32)	(0.04)

*Rounded off approximation

TABLE II. 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	@1000V/µs	@100Vdc	@ 1MHz	10 hits(5 hits for each polarity)	Multiple Hits (1s duration: 10 Hits)
470V ± 20%	≤1,050V	≤1,150V	≥10,000Mohms	<1.5pF	20kA	20A

*In ionized mode

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

General Characteristics:

No Radioactive Materials

Storage temperature: -40°C ... +90°C

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

Electrode : 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

ELV Compliant

Pb-Free

Directive 2002/95/EC
Compliant

Directive 2000/53/EC
Compliant



**Littelfuse®**

Expertise Applied | Answers Delivered

Gas Discharge Tube

Over-Voltage Protection Device**PRODUCT: GTCA28-471M-R20**

DOCUMENT: SCD28641

REV LETTER: A

REV DATE: JULY 26, 2016

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