2R3000L - 5.5*6

Description

Circuit Protection2Pole GDTs (ceramic gas discharge tubes), are commonly used to help protect sensitive telecom equipment such as communication lines, signal lines and data transmission lines from damage caused by transient surge voltages that typically result from lightning strikes and equipment switching operations.

Circuit Protection GDTs offer a high level of surge protection, low capacitance and a broad array of breakover voltage levels, making them suitable for applications such as MDF (Main Distribution Frame) modules, high data-rate telecom applications (e.g. ADSL, VDSL), and surge protection on power lines. Circuit Protection GDTs can help equipment meet the most stringent regulatory standards.

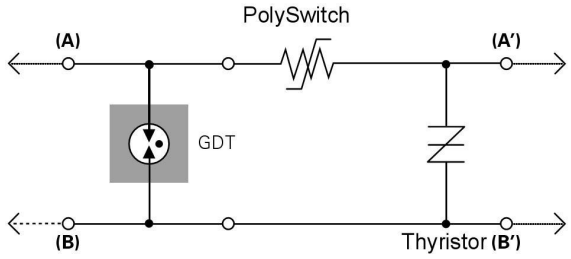
eature

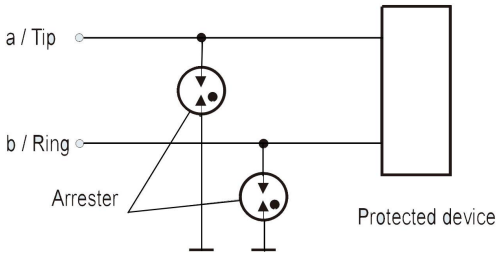
- Size :5.5*6 mm
- High insulation resistance.
- Crowbar overvoltage protection
- Low capacitance and insertion loss
- Optional fail-short mechanism on some devices
- Devices tested per ITU K.12 recommendations

2 Electrode GDT Graphical Symbol

Applications

- Telephone Interface,Line cards.
- Data communication equipment.
- Repeaters,Modems.
- Line test equipment.

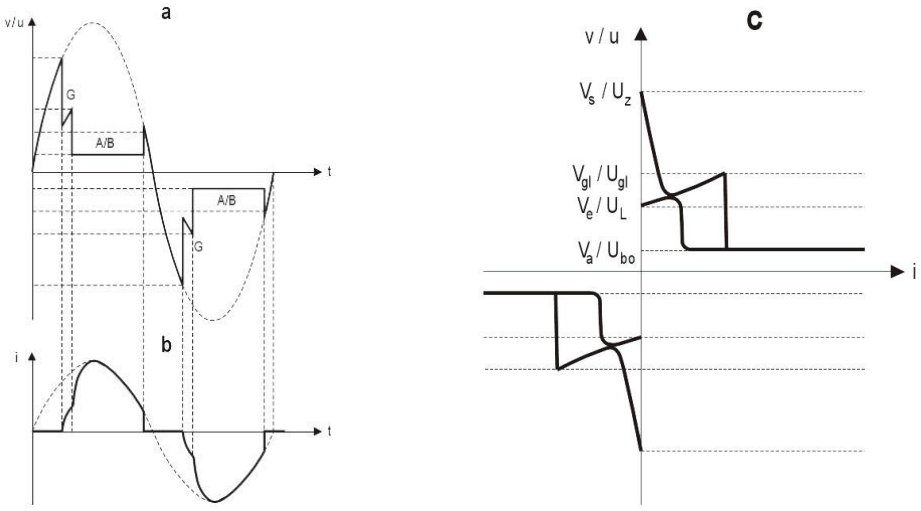




Characteristics

parameter Description		DC spark-over voltage	Impulse spark-over voltage	Impulse discharge current	Weight	Operation temperature	Insulation resistance		Capacitance
unit		100V/s	100V/μs	8/20us 10times	g	℃	Test voltage		1M Hz
Part Number	D	V	V	KA	m	T	V	GΩ	pF
2Rx3000L	5.5	3000 ±20%	4000	1.5	1.5	-40 …+90	1000	1	1.0
X: It is the impulse discharge current (8/20μs), but the default values will not be displayed. L : LEAD									

Limitation of a sinusoidal overvoltage by a surge arrester

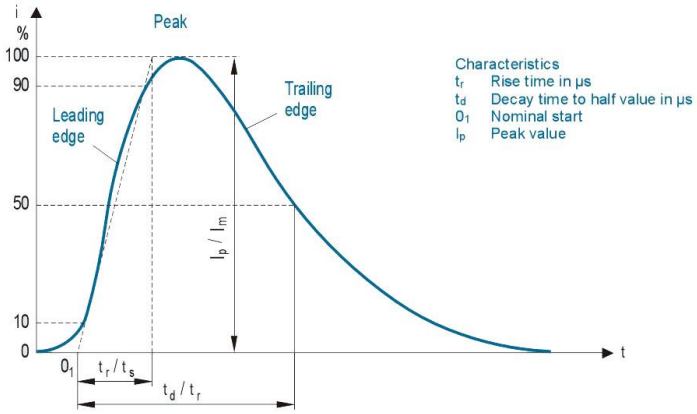


a : shows the voltage curve at the arrester

b: the current as a function of time when limiting a sinusoidal voltage surge.

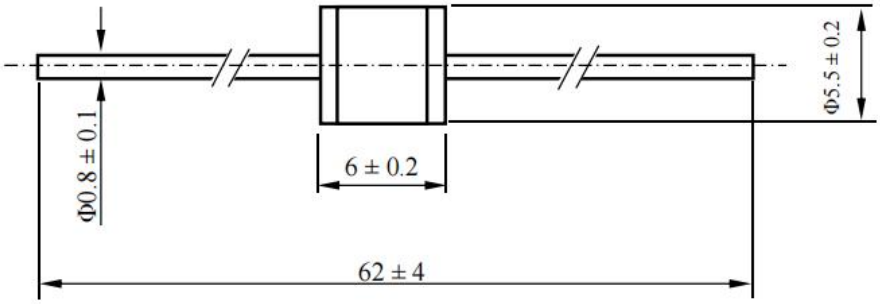
c: The V/I characteristic of the surge arrester was obtained by combining the graphs of voltage and current as a function of time.

Standard impulse discharge current 8/20 μs



Rated discharge current of the 8/20 μs wave

PACKAGE OUTLINE DIMENSIONS in millimeters



Disclaimer

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.