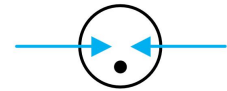


Features

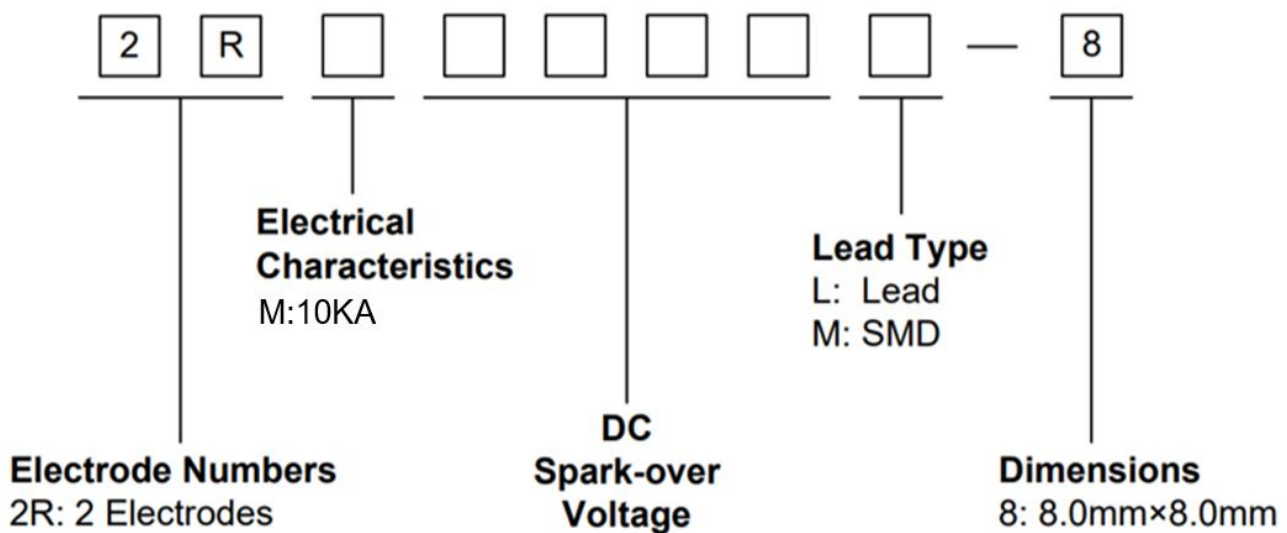
- ◆ Stable breakdown voltage
- ◆ High insulation resistance
- ◆ Low capacitance ($\leq 1.5\text{pF}$)
- ◆ Stable performance over life
- ◆ Large absorbing transient current capability
- ◆ Fast response time
- ◆ RoHS compliant
- ◆ Storage and operational temperature: $-40^{\circ}\text{C} \sim +90^{\circ}\text{C}$
- ◆ Meets MSL level 1, per J-STD-020



GDT Graphical Symbol



Part Number Coding System



Applications

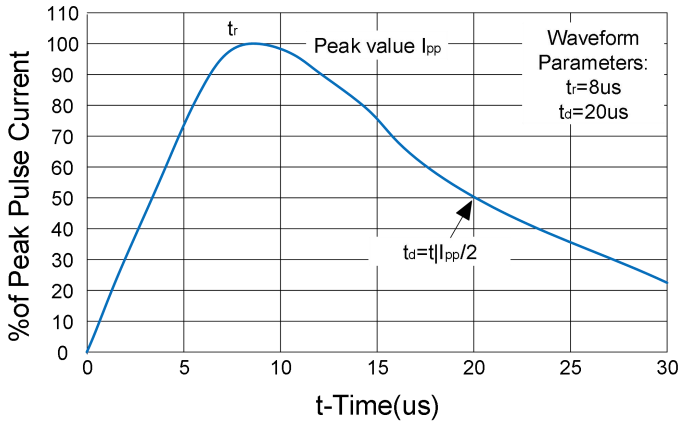
- ◆ Repeaters, Modems
- ◆ Telephone Interface, Line cards.
- ◆ Data communication equipment.
- ◆ Line test equipment

Dimensions

Ref.	Millimeters		
	Min	Typ.	Max
D	7.7	8.0	8.3
T	7.9	8.0	8.6
d	0.7	0.8	0.9
L	-	30.0	-

Electrical Characteristics (T_A=25°C unless otherwise noted)

Part Number	DC Spark-over Voltage(V)	Maximum Impulse Spark-over Voltage(V)	Nominal Impulse Discharge Current (KA)	Alternating Discharge Current(A)	Minimum Insulation Resistance		Maximum Capacitance (PF)
	100V/s	1000V/μs	8/20μs ±5times	50Hz, 1sec	Test Voltage	G Ω	1MHz
2RM1000L-8	1000±20%	1500	10	10	500	1.0	1.5

Items	Test Condition/Description	Requirement
DC Spark-over Voltage	The voltage is measured with voltage ramp dv/dt=100V/s.	To meet specified value
Maximum Impulse Spark-over Voltage	The maximum impulse spark-over voltage is measured with voltage ramp dv/dt=1000V/μs.	
Impulse Discharge Current	<p>Maximum 8/20 μs surge current that can be applied between two electrodes, 5 positive and 5 negative surges, with 3 minutes interval time.</p>  <p>Waveform Parameters: t_r=8μs t_d=20μs</p>	
Alternating Discharge Current	Rated RMS value of AC current at 50Hz, 1 sec. for 10 times with interval time 3 min.	
Insulation Resistance	The resistance of gas tube shall be measured between two electrodes.	
Capacitance	The capacitance of gas tube shall be measured between two electrodes. Test frequency: 1MHz	

Wave Soldering Parameters

