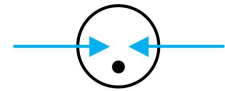


Features

- ◆ 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



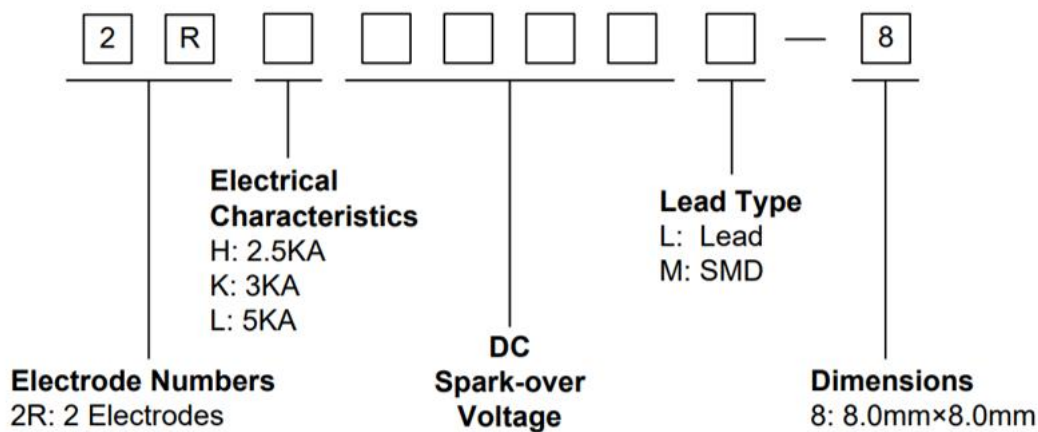
GDT Graphical Symbol



Applications

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

Part Number Coding System

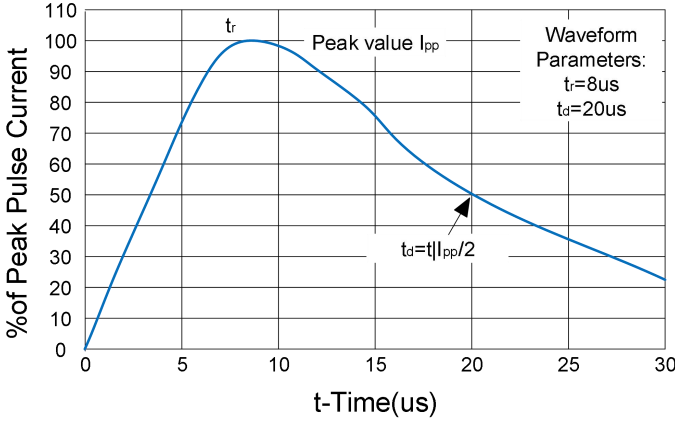


Dimensions

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 ($T_A=25^{\circ}\text{C}$ 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	8/20 μs $\pm 5\text{times}$	50Hz, 1sec	Test Voltage	M Ω	1MHz
2RL600L-8	$600 \pm 20\%$	1800	5	5	500	1000	1.5
2RL1000L-8	$1000 \pm 20\%$	2200	5	5	500	1000	1.5
2RL1200L-8	$1200 \pm 20\%$	2200	5	5	500	1000	1.5
2RL1400L-8	$1400 \pm 20\%$	2200	5	5	500	1000	1.5
2RL1500L-8	$1500 \pm 20\%$	2300	5	5	500	1000	1.5
2RL1600L-8	$1600 \pm 20\%$	2300	5	5	500	1000	1.5
2RL2000L-8	$2000 \pm 20\%$	3000	5	5	500	1000	1.5
2RL2500L-8	$2500 \pm 20\%$	3600	5	5	500	1000	1.5
2RK2700L-8	$2700 \pm 20\%$	4000	3	3	1000	1000	1.5
2RK3000L-8	$3000 \pm 20\%$	4200	3	3	1000	1000	1.5
2RK3500L-8	$3500 \pm 20\%$	5000	3	3	1000	1000	1.5
2RK3600L-8	$3600 \pm 20\%$	5200	3	3	1000	1000	1.5

Items	Test Condition/Description	Requirement
DC Spark-over Voltage	The voltage is measured with voltage ramp $dv/dt=100\text{V/s}$.	To meet specified value
Maximum Impulse Spark-over Voltage	The maximum impulse spark-over voltage is measured with voltage ramp $dv/dt=1000\text{V}/\mu\text{s}$.	
Impulse Discharge Current	Maximum 8/20μs surge current that can be applied between two electrodes, 5 positive and 5 negative surges, with 3 minutes interval time.  Waveform Parameters: $t_r=8\mu\text{s}$ $t_d=20\mu\text{s}$	
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

