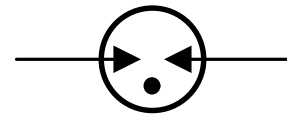


Features

- Stable breakdown voltage
- High insulation resistance
- High current rating
- Low capacitance ($\leq 1.5\text{pF}$)
- Stable performance over life
- Large absorbing transient current capability
- Fast response time
- RoHS compliant
- Standard Size: 5.5mm*6.0mm
- Meets MSL level 1, per J-STD-020
- Storage and operating temperature: $-40^{\circ}\text{C} \sim +90^{\circ}\text{C}$

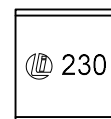
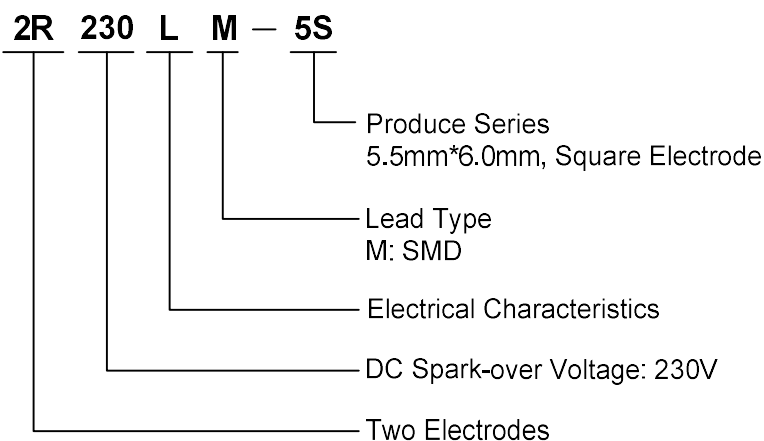
GDT Graphical Symbol



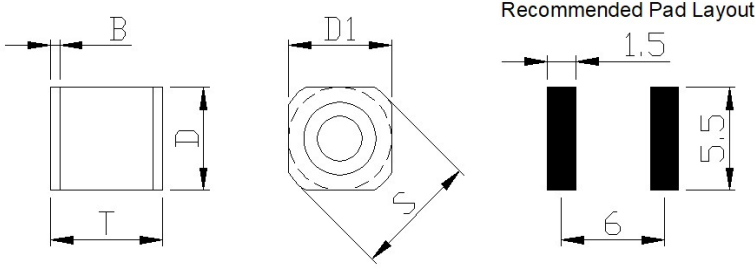
Applications

- Repeaters, Modems
- Subscriber protection
- Telephone Interface, Line cards
- Data communication equipment
- Line test equipment
- Branch exchange
- Subscriber protection
- Alarm system
- Tuner
- Antenna protection

Part Number Code and Marking



Dimensions

	Symbol	Dimensions(mm)
	D	5.5±0.3
	D1	5.5±0.3
	T	6.0±0.3
	S	6.5±0.2
	B	0.5±0.2

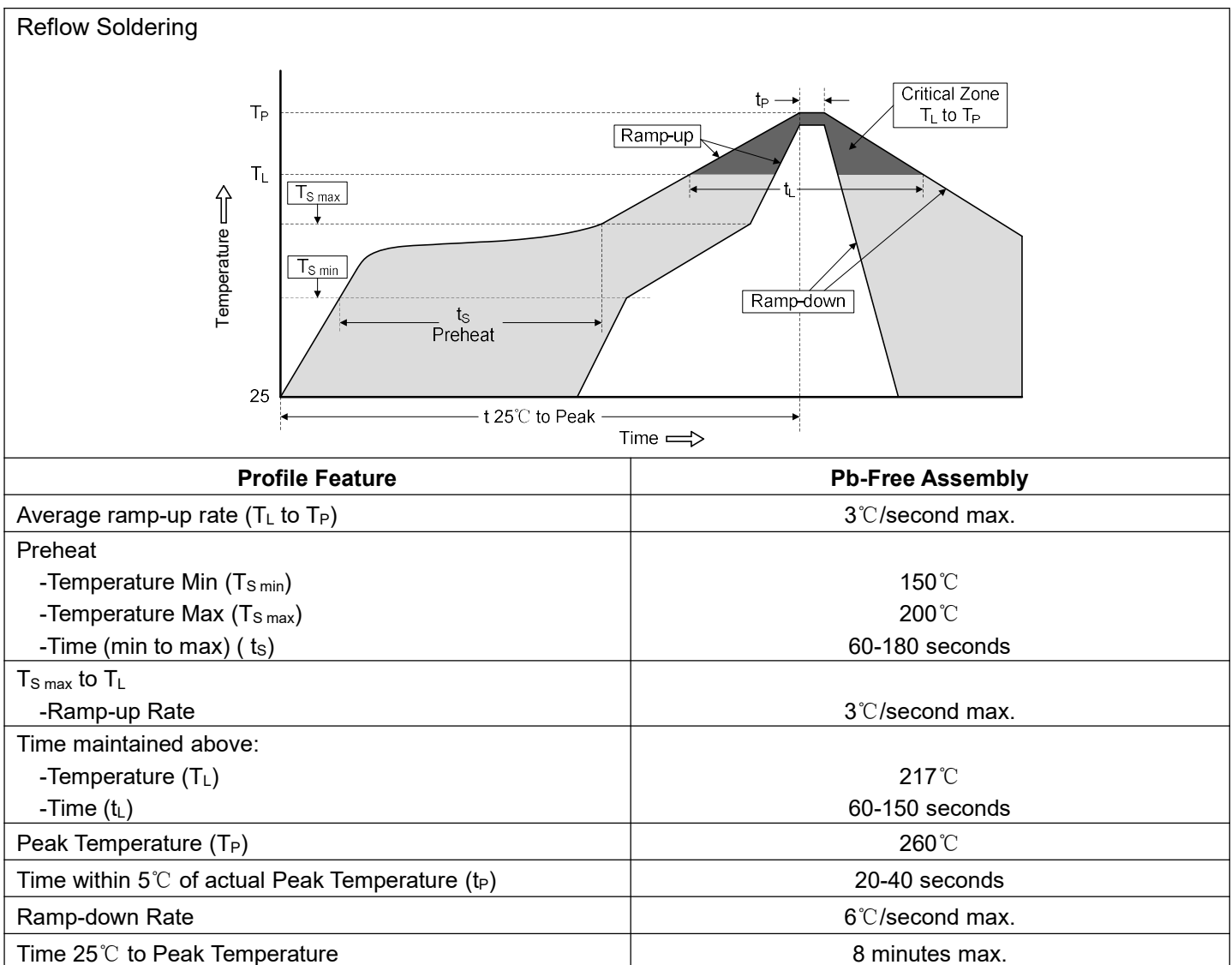
Electrical Characteristics (T_A=25°C)

Part Number	Marking	DC Spark-over Voltage	Maximum Impulse Spark-over Voltage	Nominal Impulse Discharge Current	Alternating Discharge Current	Impulse Life	Minimum Insulation Resistance		Maximum Capacitance
		100V/s	1000V/μs	8/20μs, 10 times	50Hz, 1sec	10/1000μs, 100A	Test Voltage	GΩ	1MHz
2R075LM-5S	075	75V±20%	600V	5KA	5A	300 times	25VDC	1	1.5pF
2R090LM-5S	090	90V±20%	600V	5KA	5A	300 times	50VDC	1	1.5pF
2R150LM-5S	150	150V±20%	700V	5KA	5A	300 times	100VDC	1	1.5pF
2R230LM-5S	230	230V±20%	700V	5KA	5A	300 times	100VDC	1	1.5pF
2R250LM-5S	250	250V±20%	800V	5KA	5A	300 times	100VDC	1	1.5pF
2R300LM-5S	300	300V±20%	900V	5KA	5A	300 times	100VDC	1	1.5pF
2R350LM-5S	350	350V±20%	900V	5KA	5A	300 times	100VDC	1	1.5pF
2R400LM-5S	400	400V±20%	1000V	5KA	5A	300 times	100VDC	1	1.5pF
2R470LM-5S	470	470V±20%	1100V	5KA	5A	300 times	250VDC	1	1.5pF
2R600LM-5S	600	600V±20%	1300V	5KA	5A	300 times	250VDC	1	1.5pF
2R800LM-5S	800	800V±20%	1500V	5KA	5A	300 times	250VDC	1	1.5pF
2R1000KM-5S	1000	1000V±20%	1900V	3KA	3A	300 times	500VDC	1	1.5pF
2R1200KM-5S	1200	1200V±20%	2200V	3KA	3A	300 times	500VDC	1	1.5pF
2R1400KM-5S	1400	1400V±20%	2600V	3KA	3A	300 times	500VDC	1	1.5pF
2R1600KM-5S	1600	1600V±20%	2800V	3KA	3A	300 times	500VDC	1	1.5pF
2R2000KM-5S	2000	2000V±20%	3200V	3KA	3A	300 times	500VDC	1	1.5pF
2R2500KM-5S	2500	2500V±20%	3600V	3KA	3A	300 times	1000VDC	1	1.5pF

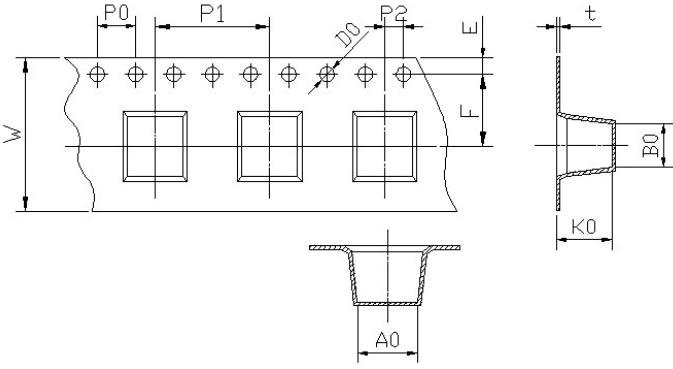
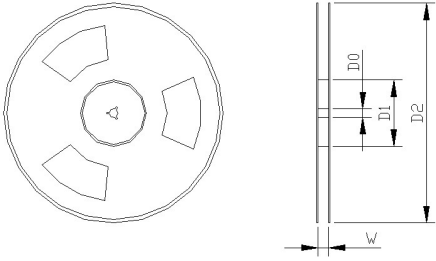
Test Methods and Results

Items	Test Method	Standard
DC Spark-over Voltage	measured with voltage ramp $dv/dt=100V/s$.	To meet the specified value
Maximum Impulse Spark-over Voltage	measured with voltage ramp $dv/dt=1000V/\mu s$.	
Impulse Discharge Current	applied between two electrodes, 5 positive and 5 negative surges, with 3 minutes interval time,	
Alternating Discharge Current	Rated RMS value of AC current at 50Hz, 1 sec. for 10 times with interval time 3 min.	
Insulation Resistance	measured between two electrodes.	
Capacitance	measured between two electrodes. Test frequency: 1MHz	

Soldering Parameters



Packaging Specification

Tape	Symbol	Dimension (mm)	
	W	16.0±0.2	
	P0	4.0±0.1	
	P1	12.0±0.2	
	P2	2.0±0.1	
	D0	1.55±0.1	
	E	1.75±0.1	
	F	7.5±0.1	
	A0	5.8±0.1	
	K0	5.8±0.1	
	B0	6.3±0.1	
	t0	0.5±0.1	
		D0	13.3±1.0
		D1	100.0±2.0
D2		330.0±2.0	
W		16.5±0.5	
Quantity: 800pcs			