

DATA SHEET

GAS TUBE – 2R8M SERIES

FEATURES

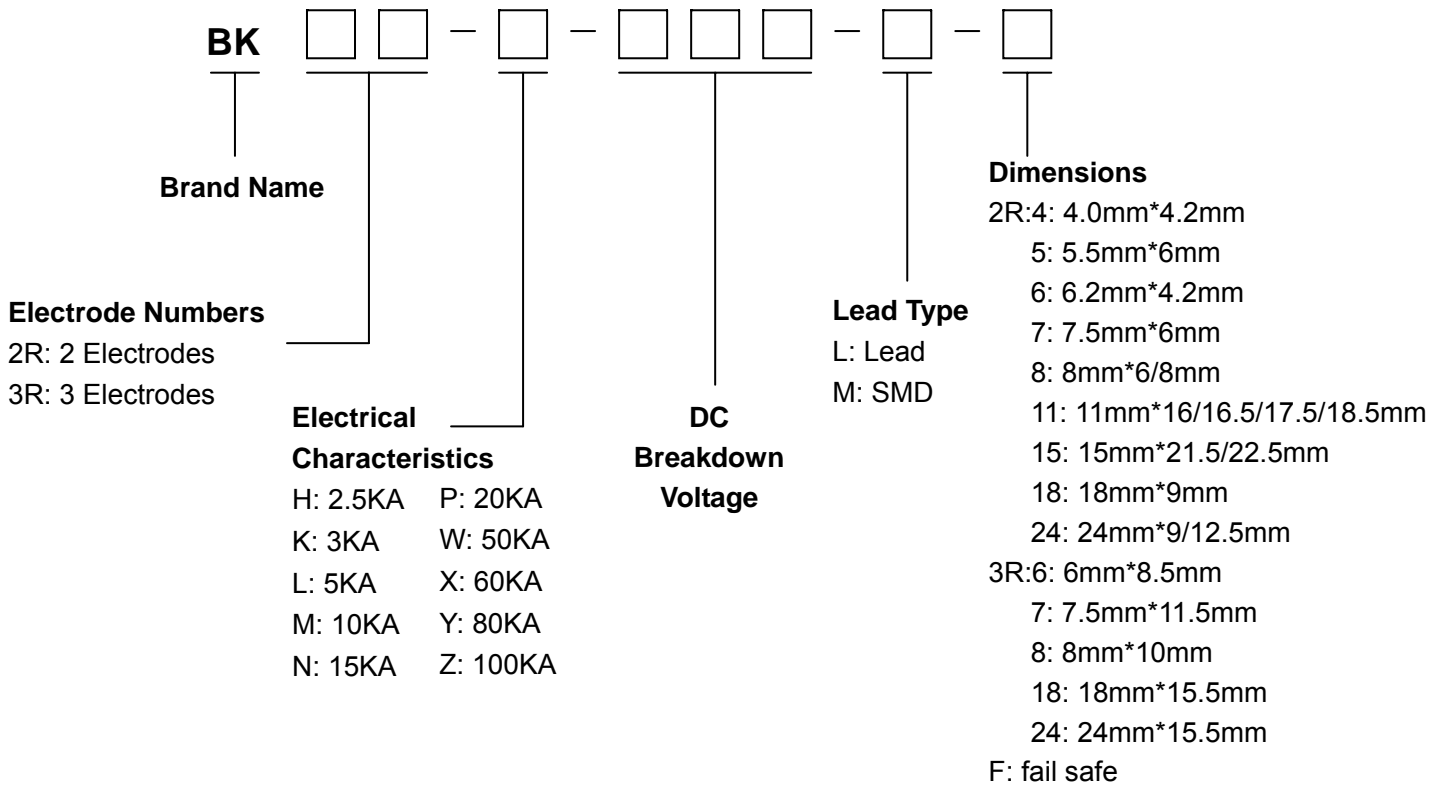
- ✧ Provide ultra-fast response to surge voltage from slow-rising surge of 100V/s to rapid-rising surge of 10KV/μs.
- ✧ Stable breakdown voltage.
- ✧ High insulation resistance.
- ✧ Low capacitance (<2pF).
- ✧ High holdover voltage.
- ✧ Large absorbing transient current capability.



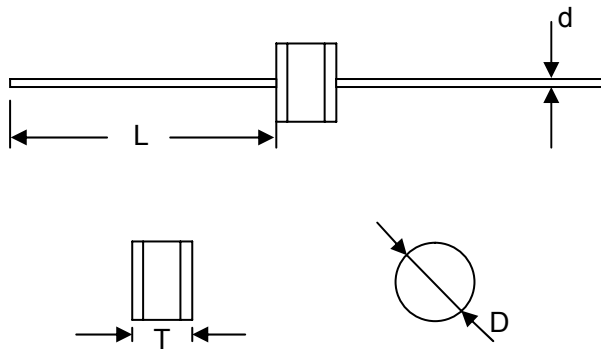
APPLICATION

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

PART NUMBER CODE



PACKAGE DIMENSIONS



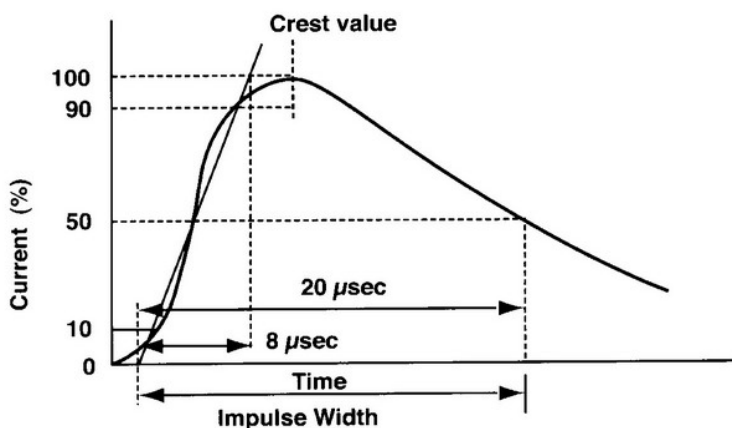
unit :mm

Items	Dimension	
	Spec.	Tolerance
D	8.0	±0.3
T	6.0	±0.3
d	0.8	±0.05
L	30.0	Max.

ELECTRICAL CHARACTERISTIC

Part Number	Impulse Spark-over Voltage	Maximum Impulse Spark-over Voltage	Maximum Surge Discharge Current	AC Discharge Current	Impulse Life	Minimum Insulation Resistance		Maximum Capacitance
	100V/s	1KV/μs	8/20μs, 10 times	50Hz, 1sec	10/1000μs, 100A	Test Voltage	(GΩ)	1MHz
	(V)	(V)	(KA)	(A)	(times)	DC(V)		(pf)
2RM070L-8	56~84	600	10	10	500	50	1	1.5
2RM075L-8	60~90	600	10	10	500	50	1	1.5
2RM090L-8	72~108	600	10	10	500	50	1	1.5
2RM100L-8	80~120	700	10	10	500	100	1	1.5
2RM110L-8	88~132	700	10	10	500	100	1	1.5
2RM120L-8	96~144	700	10	10	500	100	1	1.5
2RM130L-8	104~156	700	10	10	500	100	1	1.5
2RM145L-8	116~174	700	10	10	500	100	1	1.5
2RM150L-8	120~180	800	10	10	500	100	1	1.5
2RM180L-8	144~216	800	10	10	500	100	1	1.5
2RM230L-8	184~276	800	10	10	500	100	1	1.5
2RM250L-8	200~300	800	10	10	500	100	1	1.5
2RM300L-8	240~360	900	10	10	500	100	1	1.5
2RM350L-8	280~420	1000	10	10	500	100	1	1.5
2RM400L-8	320~480	1000	10	10	500	100	1	1.5
2RM470L-8	376~564	1200	10	10	500	250	1	1.5
2RM600L-8	480~720	1500	10	10	500	250	1	1.5

ELECTRICAL RATING

Item	Test Condition / Description	Requirement	
DC Breakdown Voltage	The voltage is measured with a low rate of rise $dv / dt=100V/s$		
Maximum Impulse Breakdown Voltage	The maximum impulse breakdown voltage is measured with a rise time of $dv / dt=1000V/\mu s$		
Maximum Impulse Discharge Current	<p>The maximum current within gas tube voltage charge of $\pm 20\%$ when one impulse is applied. Applied waveform : 8/20μ sec</p> 	To meet the specified value	
Maximum AC Discharge Current	<p>Rated rms value of AC current at 50Hz, 1sec. Requirements of intervals:3 min 2-electrode gas tube 9 discharges 3-electrode gas tube 10 discharges</p>		
DC Holdover Voltage	The maximum DC voltage across the two terminals of gas tube under which it may be expected to return to the high impedance state after the gas tube breakdown.		
Insulation Resistance	<p>The resistance of gas tube shall be measured each terminal each other terminal. Applied voltage: gas tube DC breakdown voltage under 150V, the test voltage is 50V DC; with all after types at 100V DC.</p>		
Capacitance	<p>The capacitance of gas tube shall be measured each terminal to each other terminal. Test frequency :1KHz In measurements involving 3-electrode gas tubes, the terminal not being tested shall be connected to a ground plane.</p>		