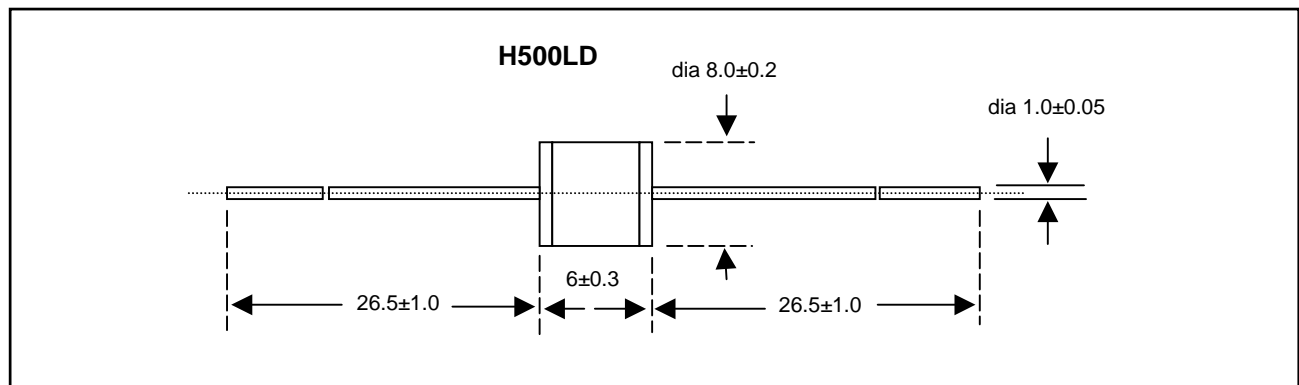


**HAKEL GAS DISCHARGE TUBES - SALIENT FEATURES**

- \* **Stable breakdown voltage**
- \* **High insulation resistance; enables the use in high temperature and humidity**
- \* **Small capacitance; minimises transmission loss and noise even with high frequency range**
- \* **High durability against surges and fast restorability**
- \* **Long life**
- \* **Free of radioactive substance**
- \* **Inexpensive for superior performance**
- \* **High mechanical strength prevents leak and breakdown from strong shock**
- \* **Various types available**



Type 2 TERMINAL CERAMIC TYPE GD TUBE - H500LD			
Sl. No.	Description	Test Condition	Specification
<b>ELECTRICAL CHARACTERISTICS, Test Methods as per ITU-T (CCITT) K.12</b>			
1	D.C Spark-Over Voltage	100V/Sec	500 $\pm$ 20%
2	Impulse Spark-Over Voltage	100V/ $\mu$ sec	<1100V
3	Impulse Spark-Over Voltage	1000V/ $\mu$ sec	<1200V
4	Insulation Resistance	100V	> $10^{10}$ Ohm
5	Glow Voltage	10mA	< 70V
6	Arc Voltage	2A	< 10V
7	Capacitance	1 M Hz	< 1 pF
8	DC Holdover Voltage	135V	<150ms
9	Impulse Discharge Current	20000 A, 8/20 $\mu$ sec	10 Operations
		100 A, 10/700 $\mu$ sec	500 Operations
		100 A, 10/1000 $\mu$ sec	300 Operations
10	Alternating Discharge Current	20 A r.m.s, 1 sec	10 Operations

**NOTES:**

1. All dimensions are in mm
2. Electrodes are nickel plated where as all lead terminals are Tin plated.
3. Marking on the GD Tube
 

H500LD  
 H : Dimension  
 500 : 500 Volts  
 L : With leads  
 D : Current rating 20A/20kA  
 HAKEL : Manufacturer  
 MM : Month of manufacture  
 YY : Year of manufacture

4. The above model is available with lead diameter  $0.8 \pm 0.05$  mm

5. The above model in same dimensions is also available with current rating 10A/10kA and 5A/5kA, named as H500LE and H500LB respectively

6. All the three models are also available without leads , named as H500D,H500E AND H500B

7. Blister Packing