

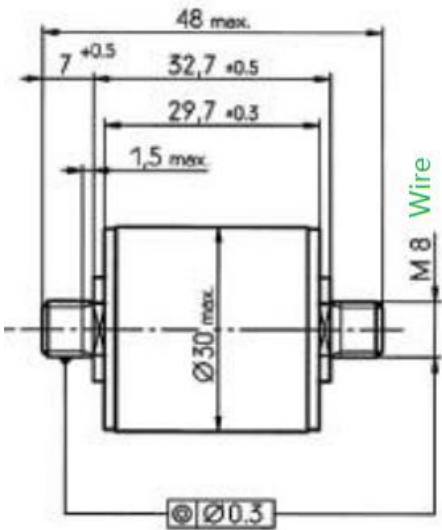
2-electrode Gas Discharge Tubes

2B800L8

1: Applications

- AC Power line N-PE applications
- Class I and Class II Surge protection

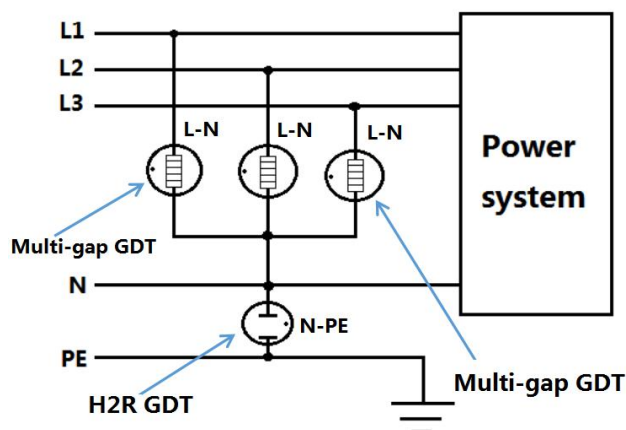
2: Dimension in mm



Specification of 2B800L8

Dc spark-over voltage (100V/s)		800V ±20%	
Front of wave spark-over voltage at 1.2/50us, 6KV		<1500V	
Breakdown time		<100ns	
- typical values		<20ns	
Insulation resistance @DC250V		>1*10 ⁹ Ω	
Class I according to IEC 61643-11			
Max continuous operating voltage at 50/60 Hz	Uc	255V	
Nominal discharge current 8/20µs	In	100KA	
Impulse current 10/350µs	Iimp	100KA	
Follow Current at 50/60Hz at 255V	If	100A	
Class II according to IEC 61643-11			
Max continuous operating voltage at 50/60 Hz	Uc	255V	
Nominal discharge current 8/20µs	In	100KA	
Maximum discharge current 8/20µs	I _{max}	200KA	
Follow Current at 50/60Hz at 255V	If	100A	
AC discharge current (TOV at 1200V ,1 operation 50Hz,0.2 s)		<300A	
capacitance at 1MHz		<4pF	
Weight		~ 98g /PCS	
Delivery time		12days	
Operation and storage temperature		-40℃ ... +90℃	
Marking, Red		800	800 - Nominal voltage
1) At delivery AQL 0.65 level II Military Standard 105E.			
Approvals/ Standards IEC61643-11			

3:Application Figure



What can we do for our GDT?

- 1: We Can customize voltage: 230V, 500V, 800V...etc
- 2: We Can developed low impulse GDT
- 3: We Can customize U_c , I_n , I_{max} , I_{lim} , I_f , TOV.
- 4: We Can developed cut off follow current 100A within 1 cycle when passing zero under AC260V(50Hz)
- 5: We Can customize multi-gap GDT used in DC or AC(L-N) over voltage protection
- 6: We Can customize GDT shape, marking, special Lead wire
- 7: We Can surpass our GDT competitors, help you pass the GDT test project & improve the GDT you currently use.
- 8: We can provide fast GDT delivery, Solve your GDT delivery time problem
- 9: We can help you analyze the competitor's parameters and tell you our perfect replacement GDT part number.