

NEON LAMPS

GENERAL
INSTRUMENT

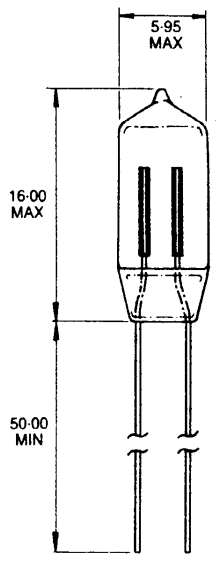
6mm	T-2	Lamp Number	Design Current mA	Maximum Striking Voltage		Series Resistor Value		Brightness Level
				a.c.	d.c.	100-120V a.c. or d.c.	220-250V a.c. or d.c.	
Wire Terminal 		16/50SB	0.5	65	90	100kΩ, 1/10W	330kΩ, 1/8W	Standard
		16/50MB	1.0	65	90	68kΩ, 1/8W	180kΩ, 1/4W	Medium
		16/50HB	1.8	95	135	33kΩ, 1/8W	100kΩ, 1/3W	High
		¹ High brightness types are not suitable for 100-120V d.c. operation.						

FIG. 5

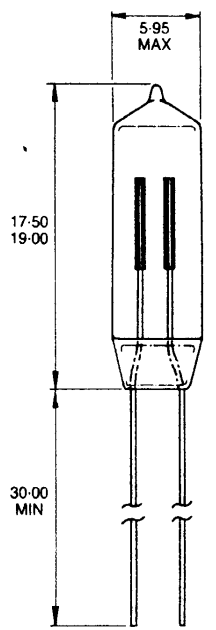
6mm	T-2	Lamp Number	Design Current mA	Maximum Striking Voltage		Series Resistor Value		Brightness Level
				a.c.	d.c.	100-120V a.c. only	220-250V a.c. or d.c.	
Wire Terminal 		19/30HB	1.8	95	135	33kΩ, 1/8W	100kΩ, 1/3W	High

FIG. 6

General Notes:

- Lead wires should not be soldered or bent closer than 3mm from the glass seal.
- Resistors should be $\pm 5\%$ tolerance types.
- Resistor wattages quoted are minima and higher wattage types may be used.
- Resistors should have a voltage rating adequate for the supply voltage being used.
- For life information see page 6.
- For neon assemblies see pages 17-20.

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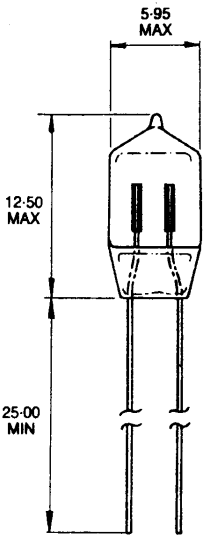
6mm	T-2	Lamp Number	Design Current mA	Maximum Striking Voltage		Series Resistor Value		Brightness Level
				a.c.	d.c.	100-120V a.c. or d.c.	220-250V a.c. or d.c.	
Wire Terminal 		12-5/25SB	0.3	65	90	180k Ω , 1/10W	470k Ω , 1/10W	Standard
		12-5/25MB	0.6	65	90	100k Ω , 1/10W	270k Ω , 1/4W	Medium
		12-5/25HB	1.0	95	135	56k Ω , 1/10W	180k Ω , 1/4W	High
		12-5/25UHB	2.6	95	135	22k Ω , 1/4W	68k Ω , 1/2W	Ultra High
		¹ High and ultra high brightness types are not suitable for 100-120V d.c. operation.						

FIG. 3

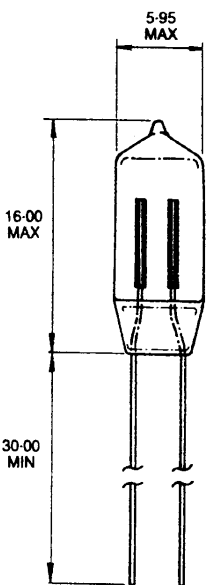
6mm	T-2	Lamp Number	Design Current mA	Maximum Striking Voltage		Series Resistor Value		Brightness Level
				a.c.	d.c.	100-120V a.c. or d.c.	220-250V a.c. or d.c.	
Wire Terminal 		16/30SB	0.5	65	90	100k Ω , 1/10W	330k Ω , 1/8W	Standard
		16/30MB	1.0	65	90	68k Ω , 1/8W	180k Ω , 1/4W	Medium
		16/30HB	1.8	95	135	33k Ω , 1/8W	100k Ω , 1/3W	High
		16/30UHB	4.5	95	135	12k Ω , 1/2W	39k Ω , 1W ²	Ultra High
		¹ High and ultra high brightness types are not suitable for 100-120V d.c. operation.						

FIG. 4

²Two 20 k Ω , 1/2W resistors may be used in series.**General Notes:**

Lead wires should not be soldered or bent closer than 3mm from the glass seal.

Resistors should be $\pm 5\%$ tolerance types.

Resistor wattages quoted are minima and higher wattage types may be used.

Resistors should have a voltage rating adequate for the supply voltage being used.

For life information see page 6.

For neon assemblies see pages 17-20.