

QUICK REFERENCE DATA

The Sylvania Type 5651 is a miniature cold cathode, gas filled glow discharge diode intended for use as a voltage reference tube in electronically regulated power supplies.

MECHANICAL DATA

| | |
|-----------------------------|------------------------------|
| Bulb | T-5½ |
| Base | E7-1, Miniature Button 7-Pin |
| Outline | 5-2 |
| Basing | 5B0 |
| Cathode | Cold |
| Mounting Position | Any |

ELECTRICAL DATA

RATINGS (Absolute Values)

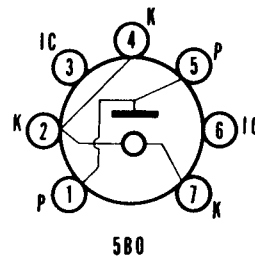
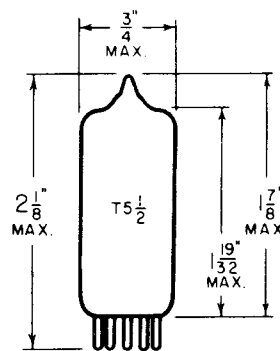
| | |
|-------------------------------------|-------------------|
| DC Operating Current | 3.5 Ma Max. |
| Ambient Temperature Range | -55 to +90°C Max. |

CHARACTERISTICS

| | Min. | Bogey | Max. |
|-----------------------------------------|------|-------|------------------------|
| DC Starting Voltage | | 107 | 115 ¹ Volts |
| DC Operating Voltage | 82 | 87 | 92 Volts |
| DC Operating Current | 1.5 | | 3.5 Ma |
| Regulation (1.5 Ma to 3.5 Ma) | | | 3 Volts |
| Stability ² | | | 0.1 Volt |
| Shunt Capacitor | | | 0.02 µf |

NOTES:

1. To insure starting throughout tube life, a supply voltage of not less than this value should be provided.
2. The maximum sudden voltage change or fluctuation at any current level within the operating current range.



**SYLVANIA ELECTRIC
PRODUCTS INC.**

**RADIO TUBE DIVISION
EMPORIUM, PA.**

*Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA*

FEBRUARY, 1955

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