



ELECTRONIC TUBE REFERENCE

1266

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Cold-cathode glow-discharge voltage regulator providing approximately 70 V stabilization without heater power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Voltage Regulator	
REGULATOR VOLTAGE	70 V
MAINTAINING VOLTAGE	70 V
<i>Values promoted from the supplied Sylvania source where explicitly published.</i>	

1266 — Cold-Cathode Voltage Regulator Tube

A cold-cathode, gas-filled voltage regulator tube designed for stable voltage control in electronic circuits.

Overview and Application

The **1266** is a Sylvania cold-cathode voltage regulator tube designed to maintain a stable potential of **70 volts** across its operating range. As a cold-cathode device, it operates without a heater or filament, eliminating the need for a heater power supply and avoiding heater-to-cathode voltage limitations.

The electrical characteristics and application of the 1266 are very similar to those of the standard **0B3/VR90** voltage regulator tube. It is primarily used in applications requiring a constant, regulated DC

voltage source.

Physical Specifications and Mounting

The physical construction of the 1266 is characterized by a glass envelope and an octal base. The manufacturer specifies the following physical parameters:

- **Bulb Type:** T-9
- **Base Type:** Intermediate Octal 6-Pin
- **Maximum Overall Length:** 3 5/16 inches
- **Maximum Seated Height:** 2 3/4 inches
- **Mounting Position:** Any position

The "Any" mounting position specification provides flexibility in mechanical layout, allowing the tube to be oriented horizontally, vertically, or at any angle within the equipment chassis.

Pinout and Basing Configuration

The 1266 utilizes the **4AJ-0-0** basing arrangement. The bottom-view diagram indicates the following pin assignments and internal connections:

- **Pin 1:** No Connection (NC)
- **Pin 2:** Cathode (K)
- **Pin 3:** No Connection (NC)
- **Pin 4:** No Connection (NC)
- **Pin 5:** Anode (A)
- **Pin 7:** Jumper (J)
- **Pin 8:** Jumper (J)

The diagram omits Pin 6. Although the physical base is designated as an "Intermediate Octal 6 Pin" type, the basing diagram details seven pin positions (Pins 1, 2, 3, 4, 5, 7, and 8). Pins 7 and 8 are connected internally via a jumper, which is noted as "Jumper not used" in standard applications.

Technical Summary

The **1266** is an intermediate octal, cold-cathode voltage regulator tube housed in a T-9 glass bulb. It regulates at a nominal **70 volts** and shares functional similarity with the **0B3/VR90**. The tube features a 4AJ-0-0 basing configuration with the cathode on Pin 2, the anode on Pin 5, and an internal jumper across Pins 7 and 8. It can be mounted in any position.