



ELECTRONIC TUBE REFERENCE

8444

Voltage Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Subminiature strap-frame-grid sharp-cutoff pentode for VHF RF/IF amplification and mixer service. High transconductance and severe-environment construction suit demanding military and professional high-frequency equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 125 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	260000 Ω
TRANSCONDUCTANCE	0.009 S
MAXIMUM PLATE VOLTAGE	165 V
MAXIMUM SCREEN VOLTAGE	155 V
MAXIMUM PLATE DISSIPATION	1.1 W
MAXIMUM SCREEN DISSIPATION	0.55 W
MAXIMUM CATHODE CURRENT	16.5 mA
<i>Published maximum ratings and characteristics promoted semantically from the approved source.</i>	

Subminiature strap-frame-grid sharp-cutoff pentode for VHF RF/IF amplifier and mixer service under severe shock, vibration, temperature, altitude, and radiation environments.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1950 SYLVANIA

Section 1 · Pentode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Resistance	260000 ohm	—
Transconductance	9000 μ S	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	165 V	—
Maximum Screen Voltage	155 V	—
Maximum Plate Dissipation	1.1 W	—
Maximum Screen Dissipation	0.55 W	—
Maximum Cathode Current	16.5 mA	—
Plate Voltage	100 V	—
Screen Voltage	100 V	—
Plate Current	8.5 mA	—