



ELECTRONIC TUBE REFERENCE

6493

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Traveling-wave microwave amplifier providing broadband RF gain through interaction between an electron beam and a slow-wave structure.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 TravelingWave	
MAXIMUM PLATE VOLTAGE	510 V
MAXIMUM CATHODE CURRENT	5 mA
<i>Published ratings and characteristics promoted semantically from the approved source; repeated identical sections compressed where applicable.</i>	

Broadband traveling-wave amplifier covering approximately 2 to 4 GHz, with more than 35 dB small-signal gain and at least 10 mW saturation output.



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 · TravelingWave

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	510 V	—
Maximum Cathode Current	5 mA	—
Saturation Power Output Minimum	10 mW	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Minimum	2 GHz	—
Frequency Maximum	4 GHz	—
Small Signal Gain Minimum	35 dB	—

TUBE TINKER

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and their source documents.

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