

ELECTRONIC TUBE REFERENCE

CONSOLIDATED TECHNICAL DATA

6559

1 SECTION

CONSTRUCTION

Specialized - Traveling Wave electronic tube

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 / 1.3 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 TravelingWave	
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM CATHODE CURRENT	65 mA
Published ratings and characteristics promoted semantically from the approved source; repeated identical sections compressed where applicable.	

Broadband traveling-wave amplifier providing watt-level continuous-wave microwave output over roughly 1.7 to 4.3 GHz.



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	1000 V	—
Maximum Cathode Current	65 mA	—
CW Power Output Minimum	1 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Minimum	1.7 GHz	—
Frequency Maximum	4.3 GHz	—

TUBE TINKER

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and their source documents.

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