



ELECTRONIC TUBE REFERENCE

8225

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Solenoid-focused traveling-wave continuous-wave amplifier for approximately 2-4 GHz broadband microwave service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 850 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 TravelingWave

No fixed ratings recorded.

Published ratings/characteristics promoted from supplied source; additional conditions retained in parameter table.

Solenoid-focused traveling-wave CW amplifier for approximately 2-4 GHz service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · TravelingWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	850 mA	—
OperatingFrequencyMinimum	2000 MHz	—
OperatingFrequencyMaximum	4000 MHz	—
Heater Voltage Minimum	6.17 V	—
Heater Voltage Maximum	6.5 V	—
HeaterCurrentMinimum	700 mA	—
HeaterCurrentMaximum	1 A	—
CathodeCurrentMinimum	2 mA	—
Cathode Current Maximum	3.5 mA	—
HelixVoltageMinimum	400 V	—
HelixVoltageMaximum	500 V	—
AnodeVoltageMaximum	350 V	—
AnodeCurrentMaximum	0.1 mA	—
CollectorVoltageMinimum	570 V	—
CollectorVoltageMaximum	630 V	—
SaturatedGainMinimum	20 dB	—
SaturatedPowerOutputMinimum	10 dBm	—
NoiseFigureMaximum	25 dB	—
InputOutputImpedance	50 ohm	—

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker