

ELECTRONIC TUBE REFERENCE

X1132

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Integrated 7-8 GHz traveling-wave amplifier and solid-state power-supply package using the X1131 TWT, providing approximately 3 W saturated output for space applications.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 TravelingWave

No fixed ratings recorded.

Microwave-device ratings have no dedicated promoted voltage/dissipation columns in this schema; applicable maximum cathode current is promoted and specialized published ratings are preserved in TUBE_SECTION_PARAMETER.

Integrated traveling-wave-tube amplifier and solid-state power-supply package containing an X1131 TWT; 7-8 GHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Eimac

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

1962 EIMAC

Section 1 · TravelingWave

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power Supply Voltage	20–40	—
Power Supply Power Maximum	16 W	—
RF Input Power Maximum	100 mW	—
Power Reflected From Load Maximum	3 W	—
Typical Power Supply Voltage	28 V	—
Typical Power Supply Current	480 mA	—
Small Signal Gain Typical	43 dB	—
Saturated Power Output Typical	3 W	—
Saturated Gain Typical	38 dB	—
Noise Figure Maximum	30 dB	—
Noise Figure Typical	28 dB	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Range	7–8	—
Small Signal Gain Minimum	40 dB	—
Saturated Power Output Minimum	2.5 W	—
Saturated Gain Minimum	36 dB	—