

ELECTRONIC TUBE REFERENCE

ZM3299

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Low-noise X-band traveling-wave amplifier with integral power supply for broadband microwave receiver service.

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.

RF performance values are retained in TUBE_SECTION_PARAMETER from the supplied GE traveling-wave-tube family sheet.

Low-noise X-band traveling-wave tube with integral power supply. The supplied General Electric data specifies a 8-12 GHz operating range, minimum small-signal gain of 25 dB, and minimum saturated output of 0.005 W.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Traveling Wave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
OperatingFrequencyMinimum	8 GHz	—
OperatingFrequencyMaximum	12 GHz	—
MinimumSmallSignalGain	25 dB	—
MinimumSaturatedPowerOutput	0.005 W	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumNoiseFigure	9 dB	—

TUBE TINKER

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and their source documents.

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