

ELECTRONIC TUBE REFERENCE

ZM3282

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Medium-power K-band PPM-focused traveling-wave amplifier covering 12-18 GHz, providing at least 35 dB small-signal gain and 5 W saturated RF output.

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
<p>No fixed ratings recorded.</p> <p>RF performance values are retained in TUBE_SECTION_PARAMETER from the supplied GE traveling-wave-tube family sheet.</p>	

Medium-power K-band PPM-focused traveling-wave tube. The supplied General Electric data specifies a 12-18 GHz operating range, minimum small-signal gain of 35 dB, and minimum saturated output of 5 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 · TravelingWave

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
OperatingFrequencyMinimum	12 GHz	—
OperatingFrequencyMaximum	18 GHz	—
MinimumSmallSignalGain	35 dB	—
MinimumSaturatedPowerOutput	5 W	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumNoiseFigure	3 dB	—

TUBE TINKER

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and their source documents.

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