ELECTRONIC TUBE REFERENCE

ZM3311

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Low-noise 8–12 GHz traveling-wave amplifier with 25 dB minimum gain, 8 dB maximum noise figure, permanent-magnet focusing, and integral power supply.

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.

Traveling-wave interaction structure represented as Other; published microwave performance is stored as section parameters.

Low-noise C/X-band traveling-wave amplifier with single-reversal permanent-magnet focusing and integral power supply.

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**
Frequency Minimum	**8 GHz**	—
Frequency Maximum	**12 GHz**	—
Noise Figure Maximum	**8 dB**	—
Small Signal Gain Minimum	**25 dB**	—
Focusing Method	**Single-Reversal Permanent Magnet**	—
Integral Power Supply	**Yes**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Saturation Power Output Minimum	**5 mW**	—

Tube Tinker

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

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