

ELECTRONIC TUBE REFERENCE

ZM3331

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Low-noise 12-16 GHz traveling-wave amplifier for radar, ECM, instrumentation, and communications, with 30 dB minimum gain and permanent-magnet focusing.

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 Ku-band traveling-wave amplifier with single-reversal permanent-magnet focusing for radar, ECM, instrumentation, and communications.

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
Frequency Minimum	12 GHz	—
Frequency Maximum	16 GHz	—
Noise Figure Maximum	10 dB	—
Small Signal Gain Minimum	30 dB	—
Focusing Method	Single-Reversal Permanent Magnet	—

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