

ELECTRONIC TUBE REFERENCE

ZM3354

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Low-noise 0.775-1.45 GHz traveling-wave amplifier with periodic-permanent-magnet focusing, 28 dB minimum gain, 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 P/L-band traveling-wave amplifier with periodic-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	0.775 GHz	—
Frequency Maximum	1.45 GHz	—
Noise Figure Maximum	11 dB	—
Small Signal Gain Minimum	28 dB	—
Focusing Method	Periodic Permanent Magnet	—
Integral Power Supply	Yes	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Saturation Power Output Minimum	10 mW	—