

ELECTRONIC TUBE REFERENCE

ZM3172

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Broadband 7-11 GHz traveling-wave power amplifier, providing about 5 watts saturated output with at least 30 dB gain.

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; conventional plate/grid promoted fields are not applicable.

The ZM3172 is a traveling-wave tube covering 7 to 11 GHz, with published gain of at least 30 dB and RF 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

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Range Minimum	7 GHz	—
Frequency Range Maximum	11 GHz	—
Gain	30 dB	Minimum published gain
Saturation Power Output	5 W	Published RF output
Noise Figure	30 dB	Maximum published noise figure