

ELECTRONIC TUBE REFERENCE

ZM3197

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Broadband 7-11 GHz traveling-wave amplifier providing at least 37 dB gain, 30 mW saturated output, and 13 dB noise figure.

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 ZM3197 is a traveling-wave tube covering 7 to 11 GHz, with published gain of at least 37 dB and RF output of 30 mW.

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	37 dB	Minimum published gain
Saturation Power Output	30 mW	Published RF output
Noise Figure	13 dB	Maximum published noise figure

TUBE TINKER

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and their source documents.

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