

ELECTRONIC TUBE REFERENCE

ZM3183

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Low-power broadband traveling-wave amplifier covering 2-4 GHz, with at least 25 dB gain, 1 mW saturated output, and 8 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
<i>No fixed ratings recorded.</i>	
<i>Traveling-wave interaction structure; conventional plate/grid promoted fields are not applicable.</i>	

The ZM3183 is a traveling-wave tube covering 2 to 4 GHz, with published gain of at least 25 dB and RF output of 1 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	2 GHz	—
Frequency Range Maximum	4 GHz	—
Gain	25 dB	Minimum published gain
Saturation Power Output	1 mW	Published RF output
Noise Figure	8 dB	Maximum published noise figure

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