

ELECTRONIC TUBE REFERENCE

ZM3207

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Ruggedized 6-12 GHz low-noise traveling-wave amplifier with permanent-magnet focusing, at least 25 dB gain, and approximately 3 mW saturated output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2 V / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	TravelingWave
<p>No fixed ratings recorded.</p> <p>Traveling-wave microwave amplifier section; helix, collector, gain, noise, and RF data retained as parameters.</p>	

ZM3207 ruggedized low-noise broadband traveling-wave tube with permanent-magnet focusing.

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

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Device class	Traveling-wave tube	—
Focusing method	Single-reversal permanent magnet	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Primary application	Low-noise microwave amplification	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency minimum	6 GHz	—
Frequency maximum	12 GHz	—
Noise figure maximum	10 dB	—
Small-signal gain minimum	25 dB	—
Saturation power output	3 mW	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	500 mA	—
Collector voltage	1100 V	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

