ELECTRONIC TUBE REFERENCE

ZM3158

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Ruggedized low-noise traveling-wave amplifier covering 2.9–3.1 GHz, providing 30 dB gain with less than 5.5 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.

Published ratings and characteristics promoted semantically from the approved source.

Ruggedized low-noise traveling-wave amplifier covering 2.9 to 3.1 GHz with 30 dB gain and less than 5.5 dB noise figure.

SOURCE OPERATING CONDITIONS

1950 General Electric Transmitting Types

SOURCE PDF

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	**2900 MHz**	—
Frequency Maximum	**3100 MHz**	—
Gain	**30 dB**	Minimum/nominal as published
Noise Figure Maximum	**5.5 dB**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Saturated Power Output	**3 mW**	—
Collector Dissipation	**1 W**	—
Collector Voltage Minimum	**400 V**	—
Collector Voltage Maximum	**600 V**	—

TUBE TINKER

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

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