ELECTRONIC TUBE REFERENCE

# ZM3198

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
**1 SECTION**
CONSTRUCTION
**TRAVELINGWAVE**

Broadband 8–12 GHz traveling-wave amplifier providing at least 33 dB gain, 30 mW saturated output, and 18 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 ZM3198 is a traveling-wave tube covering 8 to 12 GHz, with published gain of at least 33 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 | **8 GHz** | — |
| Frequency Range Maximum | **12 GHz** | — |
| Gain | **33 dB** | Minimum published gain |
| Saturation Power Output | **30 mW** | Published RF output |
| Noise Figure | **18 dB** | Maximum published noise figure |

TUBE TINKER

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