

ELECTRONIC TUBE REFERENCE

ZM3388

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRAVELINGWAVE

High-power pulsed S-band traveling-wave amplifier covering 2.9–3.1 GHz, providing at least 2.5 kW peak saturated output with 37 dB gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 3 A	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 receiving-tube promoted plate/grid fields are not applicable.</i>

The ZM3388 is a high-power S-band traveling-wave tube covering 2.9 to 3.1 GHz, with at least 37 dB saturated gain and 2.5 kW minimum peak saturated output.

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 · Traveling Wave

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Range Minimum	2.9 GHz	Published RF range
Frequency Range Maximum	3.1 GHz	Published RF range
Small Signal Gain	37 dB	Minimum published gain
Saturation Power Output	2.5 kW	Minimum published saturated output

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Duty	0.03 ratio	Pulsed operation
Maximum Pulse Width	40 us	Pulsed operation

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and their source documents.

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