

ELECTRONIC TUBE REFERENCE

ZM3395

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

High-power L-band periodic-permanent-magnet-focused traveling-wave tube with metal-ceramic construction for radar and electronic-countermeasures applications.

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-tube RF performance is stored as condition-aware parameters from the supplied General Electric family datasheet.

General Electric ZM3395 is a high-power L-band traveling-wave tube using periodic permanent-magnet focusing and metal-ceramic construction. The supplied data gives a 1.2–1.5 GHz range, at least 5 kW peak saturated output, 50 dB minimum saturated gain, 0.05 maximum duty cycle, and 20 us maximum pulse width. Applications include radar and electronic countermeasures.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
OperatingFrequencyMinimum	1.2 GHz	—
OperatingFrequencyMaximum	1.5 GHz	—
MinimumPeakSaturatedPowerOutput	5 kW	Pulsed
MinimumSaturatedGain	50 dB	—
DataGroup	L-4	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumDutyCycle	0.05	Pulsed
MaximumPulseWidth	20 us	Pulsed

TUBE TINKER

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and their source documents.

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