

ELECTRONIC TUBE REFERENCE

ZM3278

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

PPM-focused low-noise traveling-wave amplifier for high-gain broadband microwave amplification in radar, communications, ECM, and instrumentation 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 microwave amplifier section; helix, collector, gain, noise, and RF data retained as parameters.	

ZM3278 low-noise broadband traveling-wave tube for microwave radar, ECM, communications, or instrumentation service.

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	Periodic permanent magnet	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Primary application	Low-noise microwave amplification	—
Application	High-gain broadband microwave amplification	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid voltage minimum	-30 V	—
Grid voltage maximum	0 V	—
Helix voltage relative to coil minimum	-100 V	—
Helix voltage relative to coil maximum	100 V	—
Helix current maximum	10 mA	—