

ELECTRONIC TUBE REFERENCE

ZM3247

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRAVELINGWAVE

C-band low-noise broadband traveling-wave amplifier for microwave radar, electronic-countermeasure, or communications service, using magnetic electron-beam focusing.

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.	

ZM3247 low-noise broadband traveling-wave tube for microwave radar, ECM, or communications 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	Magnetic	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Primary application	Low-noise microwave amplification	—
Microwave band	C-band	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Helix voltage minimum	600 V	—
Collector voltage minimum	750 V	—
Collector voltage maximum	1000 V	—