ELECTRONIC TUBE REFERENCE

# ZM3417

Specialized - Traveling Wave electronic tube

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

General Electric low-noise broadband traveling-wave amplifier for microwave radar, electronic countermeasures, communications, instrumentation, or radiometry receiver service.

## 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.*

ZM3417 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 | **Single-reversal permanent magnet** | — |
| Focusing method | **Single-reversal permanent magnet** | — |

### APPLICATION

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
|---|---|---|
| Primary application | **Microwave amplification** | — |
| Application | **Low-noise radar / broadband ECM** | — |

### OTHER

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
|---|---|---|
| Power supply nominal | **28 Vdc** | — |

### CHARACTERISTICS

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
|---|---|---|
| Acoustic noise test level | **150 dB** | — |

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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