ELECTRONIC TUBE REFERENCE

ZM3271

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Low-noise X-band traveling-wave amplifier with periodic permanent-magnet focusing, intended for broadband radar, ECM, communications, and microwave instrumentation.

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.

ZM3271 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**	—
Microwave band	**X-band**	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Helix voltage minimum	**700 V**	—
Helix voltage maximum	**900 V**	—
Collector voltage minimum	**900 V**	—
Collector voltage maximum	**1100 V**	—

Tube Tinker

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

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