ELECTRONIC TUBE REFERENCE

ZM3374

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Broadband 9.75–15 GHz traveling-wave amplifier providing at least 30 dB small-signal gain, with 5 mW saturated output and 11 dB maximum noise figure.

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 interaction structure; conventional receiving-tube promoted plate/grid fields are not applicable.

The ZM3374 is a traveling-wave tube covering 9.75 to 15 GHz, with at least 30 dB small-signal gain and 5 mW minimum saturated output, maximum noise figure 11 dB.

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

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Range Minimum	**9.75 GHz**	Published RF range
Frequency Range Maximum	**15 GHz**	Published RF range
Small Signal Gain	**30 dB**	Minimum published gain
Saturation Power Output	**5 mW**	Minimum published saturated output
Noise Figure	**11 dB**	Maximum published noise figure

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