

ELECTRONIC TUBE REFERENCE

ZM3377

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Low-noise traveling-wave microwave amplifier covering approximately 0.775–1.45 GHz, designed for broadband lower-microwave signal amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	–	BASE PINS	–
NOMINAL HEATER	6.3 V / 350 mA	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 ZM3377 is a traveling-wave tube covering 0.775 to 1.45 GHz, with at least 28 dB small-signal gain and 10 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	0.775 GHz	Published RF range
Frequency Range Maximum	1.45 GHz	Published RF range
Small Signal Gain	28 dB	Minimum published gain
Saturation Power Output	10 mW	Minimum published saturated output
Noise Figure	11 dB	Maximum published noise figure