



ELECTRONIC TUBE REFERENCE

X3034

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRAVELINGWAVE

Broadband S-band traveling-wave power amplifier for communications service from approximately 1.7-2.1 GHz, delivering at least 1.1 kW output with about 20 dB saturated gain.

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

SECTION 1 TravelingWave	
MAXIMUM CATHODE CURRENT	1 A
<i>Traveling-wave electron-beam device. Beam-voltage and collector ratings retained as parameters because the fixed schema has no promoted TWT fields.</i>	

The EIMAC X3034 is a broadband S-band power-amplifier traveling-wave tube intended for communications service from 1.7 to 2.1 GHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 Eimac

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1962 EIMAC

Section 1 · TravelingWave

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum beam voltage	13000 V	—
Maximum beam current	1 A	—
Maximum collector dissipation	11000 W	—
Minimum output power	1100 W	—
Saturated power gain	20 dB	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency range minimum	1.7 GHz	—
Frequency range maximum	2.1 GHz	—

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