

ELECTRONIC TUBE REFERENCE

X1021

Specialized - Traveling Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRAVELINGWAVE

Rugged lightweight ceramic-metal C-band traveling-wave power amplifier engineered for severe aircraft, missile, rocket, augmentation, and electronic-countermeasure environments.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	TravelingWave
MAXIMUM CATHODE CURRENT	90 mA

The Eimac X-1021 is a ruggedized lightweight ceramic-metal C-band traveling-wave power amplifier designed for severe aircraft, rocket, missile, augmentation, and ECM environments.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Heating Time	120 s	—
Frequency Range	4.0-8.0 GHz	—
Minimum Saturated Output Power	10 W	—
Minimum Saturated Gain	40 dB	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Beam Voltage	2900 V	—
Maximum DC Focus Electrode Voltage	400 V	—