

ELECTRONIC TUBE REFERENCE

X3002

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Three-cavity magnetically focused L-band pulse-amplifier klystron for high-power pulsed microwave service.

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	Klystron
MAXIMUM CATHODE CURRENT	1.12 A
Klystron electron-beam device. Fixed TUBE_SECTION schema has no beam-voltage or collector-dissipation fields; those ratings are preserved as parameters.	

The EIMAC X3002 is a three-cavity magnetically focused pulse-amplifier klystron for l-band service.

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 · Klystron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC beam voltage	13000 V	—
Maximum/peak beam current	1.12 A	—
Rated/minimum output power	4000 W	—
Power gain	23 dB	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency range minimum	1.235 GHz	—
Frequency range maximum	1.365 GHz	—

TUBE TINKER

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