

ELECTRONIC TUBE REFERENCE

X1111

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

KLYSTRON

Conduction-cooled two-cavity microwave klystron operating near 13.34 GHz and providing at least two watts output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 700 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	Klystron
MAXIMUM CATHODE CURRENT	30 mA

The Eimac X-1111 is a two-cavity microwave klystron set near 13.34 GHz, providing at least 2 W output with conduction cooling.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Setting	13340 MHz	—
Power Output	2 W	minimum
Warm-up Time	35 s	—
Electronic Tuning Range	10 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Resonator Voltage	2500 V	—
Typical Resonator Voltage	2150 V	—
Typical Cathode Current	15–25 mA	—

TUBE TINKER

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and their source documents.

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