

ELECTRONIC TUBE REFERENCE

X1115A

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

KLYSTRON

Conduction-cooled reflex klystron for transmitter/local-oscillator and parametric-amplifier pump service over 12.2-12.7 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 800 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	Klystron
MAXIMUM CATHODE CURRENT	60 mA
Microwave-device ratings have no dedicated promoted voltage/dissipation columns in this schema; applicable maximum cathode current is promoted and specialized published ratings are preserved in TUBE_SECTION_PARAMETER.	

Ceramic/metal conduction-cooled reflex klystron for transmitter/local-oscillator and parametric-amplifier pump service, 12.2-12.7 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 · Klystron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Range	12.2–12.7	—
Electronic Tuning Range	30 MHz	3 dB bandwidth
Modulation Sensitivity	2 MHz/V	—
Warm-up Time	30 s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Output Power	100 mW	—
Typical DC Resonator Voltage	400 V	—
Typical DC Cathode Current	40 mA	—
Typical DC Repeller Voltage	-200 V	Negative with respect to cathode
Maximum DC Resonator Voltage	500 V	—
Maximum DC Cathode Current	60 mA	—
Peak Repeller Voltage Negative	-500 V	With respect to cathode
Peak Repeller Voltage Positive	25 V	With respect to cathode
Maximum Resonator Dissipation	30 W	—

TUBE TINKER

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and their source documents.

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