ELECTRONIC TUBE REFERENCE

X1126B

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
KLYSTRON

Reflex klystron covering approximately 16.5–17.2 GHz.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	6.3 V / 1.3 A	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Klystron

MAXIMUM CATHODE CURRENT	55 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.

Reflex klystron covering 16.5–17.2 GHz.

SOURCE OPERATING CONDITIONS

1962 Eimac

SOURCE PDF

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	16.5–17.2	—
Electronic Tuning Range	40 MHz	3 dB bandwidth
Modulation Sensitivity	3.5 MHz/V	—
Warm-up Time	20 s	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Output Power	20 mW	—
Typical DC Resonator Voltage	300 V	—
Typical DC Cathode Current	30 mA	—
Typical DC Repeller Voltage	-95 V	Negative with respect to cathode
Maximum DC Resonator Voltage	500 V	—
Maximum DC Cathode Current	55 mA	—
Peak Repeller Voltage Negative	-500 V	With respect to cathode
Peak Repeller Voltage Positive	-25 V	With respect to cathode

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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