ELECTRONIC TUBE REFERENCE

X1123

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
KLYSTRON

Fixed-frequency or trimmable reflex klystron centered near 13.395 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	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.

Fixed-frequency/trimmable reflex klystron centered at 13.395 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	**13.395–13.395**	—
Electronic Tuning Range	**30 MHz**	3 dB bandwidth
Modulation Sensitivity	**3 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	**-90 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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