ELECTRONIC TUBE REFERENCE

1K125CA

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
KLYSTRON

Ceramic-metal reflex klystron designed for microwave oscillator service in its specified C- or X-band frequency range.

General characteristics

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

Section ratings

SECTION1 Klystron

MAXIMUM CATHODE CURRENT	110 mA

Reflex klystron: specialized resonator/repeller ratings have no direct promoted columns and are preserved in TUBE_SECTION_PARAMETER; published maximum cathode current is promoted.

C-band reflex klystron for oscillator service with the frequency and output characteristics published on its Eimac datasheet.

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	**3700–4400 MHz**	—
Published Output Power	**1250 mW**	Minimum or typical as stated by source

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum DC Resonator Voltage	**1200 V**	—
Maximum Negative Repeller Voltage	**750 V**	Negative with respect to cathode
Maximum Positive Repeller Voltage	**0 V**	Positive with respect to cathode
Typical DC Resonator Voltage	**1000 V**	—
Typical DC Cathode Current	**80 mA**	—
Typical Power Output	**1250 mW**	—
Maximum Heater-Cathode Voltage	**145 V**	—
Heater Current Maximum	**1.5 A**	—

TUBE TINKER

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

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