



ELECTRONIC TUBE REFERENCE

1K75CK

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Ruggedized low-noise C-band reflex klystron designed for microwave oscillator service, providing approximately one watt output in its specified band.

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

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

SOURCE OPERATING CONDITIONS

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	4250–4350 MHz	—
Published Output Power	1000 mW	Minimum or typical as stated by source
Warm-up Time	60 s	—
Heater Current	1 A–1.5 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Resonator Voltage	850 V	—
Maximum Resonator Dissipation	75 W	—
Maximum Negative Repeller Voltage	500 V	Negative with respect to cathode
Maximum Positive Repeller Voltage	0 V	Positive with respect to cathode
Typical DC Resonator Voltage	750 V	—
Typical DC Cathode Current	60 mA	—
Typical Power Output	1000 mW	—
Maximum Heater-Cathode Voltage	45 V	—

TUBE TINKER

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