

ELECTRONIC TUBE REFERENCE

X1075

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Ceramic-metal conduction-cooled reflex klystron for rugged local-oscillator service over 8.5–9.6 GHz under severe shock, vibration, and temperature extremes.

GENERAL CHARACTERISTICS

BASE DESIGNATION	–	BASE PINS	–
NOMINAL HEATER	6.3 V / 1 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	Klystron
MAXIMUM CATHODE CURRENT	40 mA

The Eimac X-1075 is a ceramic-metal conduction-cooled reflex klystron for local-oscillator service over 8.5–9.6 GHz under severe vibration, shock, and temperature extremes.

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	8500–9600 MHz	—
Power Output	30 mW	typical
Warm-up Time	30 s	—
Electronic Tuning Range	35 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC Resonator Voltage	400 V	—
Maximum Negative Repeller Voltage	500 V	—
Maximum Resonator Dissipation	20 W	—
Typical DC Resonator Voltage	250 V	—