

ELECTRONIC TUBE REFERENCE

K302

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Three-centimeter reflex klystron local oscillator designed for American-standard microwave waveguide systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Klystron	
MAXIMUM PLATE VOLTAGE	350 V
MAXIMUM CATHODE CURRENT	35 mA

3-cm reflex klystron local oscillator for American-standard waveguide systems.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1955 MARCONI

Section 1 · Klystron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	600 mA	—
Beam/Resonator Voltage	350 V	—
Beam Current	35 mA	—
Reflector Voltage Range	-90 to -155 V	—
Minimum Output Power	30 mW	—
Mechanical Tuning Range	9320-9500 MHz	—
Electronic Tuning Range	30 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Reflector-Cathode Circuit Impedance	0.5 MOhm	—

TUBE TINKER

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and their source documents.

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