ELECTRONIC TUBE REFERENCE

K312

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
KLYSTRON

Three-centimeter reflex klystron oscillator designed for standard American 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

SECTION1 Klystron	
MAXIMUM PLATE VOLTAGE	350 V
MAXIMUM CATHODE CURRENT	35 mA

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

SOURCE OPERATING CONDITIONS

1955 Marconi

SOURCE PDF

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	-110 to -180 V	—
Minimum Output Power	25 mW	—
Mechanical Tuning Range	9430-9650 MHz	—
Electronic Tuning Range	30 MHz	—

OTHER

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

Tube Tinker

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

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