

ELECTRONIC TUBE REFERENCE

2K45

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
KLYSTRON

Tunable reflex klystron designed as a microwave receiver local oscillator, with mechanical or thermal tuning across its specified operating band.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 760 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Klystron
No fixed ratings recorded.
Published ratings and characteristics promoted where clearly stated.

Thermally tuned reflex klystron local oscillator for microwave receivers, operating from approximately 8.5 to 9.66 GHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Klystron

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	6.3 V	Published nominal value
Heater or filament current	760 mA	Published nominal value
Frequency range	8500–9660 MHz	Published operating or tuning range

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RF power output	0.03 W	Published operating condition
Resonator voltage	300 V	Published typical operation
Resonator current	25 mA	Published typical operation