

ELECTRONIC TUBE REFERENCE

8467

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Varian tunable reflex klystron oscillator covering approximately 12.4-14.5 GHz for microwave signal-generation and local-oscillator applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Klystron
No fixed ratings recorded.

Varian tunable reflex klystron oscillator covering 12.4-14.5 GHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 Varian Assoc

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

1953 VARIAN ASSOC

Section 1 · Klystron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency range minimum	12.4 GHz	—
Frequency range maximum	14.5 GHz	—
RF output power	0.14 W	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum resonator/beam voltage	625 V	—
Maximum resonator/beam current	66 mA	—
Maximum negative reflector voltage	-1000 V	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Microwave device type	Reflex klystron	—
Cooling method	Forced air	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Radar/local oscillator	—