

ELECTRONIC TUBE REFERENCE

6310

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Varian X-band reflex klystron oscillator designed for radar local-oscillator service over approximately 8.5-10 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	Klystron
No fixed ratings recorded.	

Varian reflex klystron oscillator for radar local-oscillator service in the 8.5-10.0 GHz range.

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	8.5 GHz	—
Frequency range maximum	10 GHz	—
RF output power	0.125 W	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum resonator/beam voltage	350 V	—
Maximum resonator/beam current	42 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	—

TUBE TINKER

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and their source documents.

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