ELECTRONIC TUBE REFERENCE

VA6314

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
KLYSTRON

Varian manufacturer designation for a reflex klystron oscillator, explicitly printed as an alias or co-designation on the corresponding JEDEC-family datasheet.

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 VA-6314 designation for the 6314 reflex klystron.

SOURCE OPERATING CONDITIONS

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	**10.5 GHz**	—
RF output power	**0.12 W**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum resonator/beam voltage	**385 V**	—
Maximum resonator/beam current	**74 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

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

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