

ELECTRONIC TUBE REFERENCE

VA6311

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-6311 designation for the 6311 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 GHz	—
RF output power	0.07 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	—

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and their source documents.

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