ELECTRONIC TUBE REFERENCE

V151

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
KLYSTRON

Varian V-151 designation for the 6316 reflex klystron, intended for tunable microwave oscillator service.

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 V-151 designation printed on the 6316 reflex-klystron sheet.

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	**0.025 W**	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum resonator/beam voltage	**350 V**	—
Maximum resonator/beam current	**52 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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