ELECTRONIC TUBE REFERENCE

6312

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
KLYSTRON

Varian X-band reflex klystron oscillator designed for radar applications 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 intended for radar applications in the 8.5–10.0 GHz range.

SOURCE OPERATING CONDITIONS

1953 Varian Assoc

SOURCE PDF

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**	—

Tube Tinker

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