

ELECTRONIC TUBE REFERENCE

6975

Specialized - Klystron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
KLYSTRON

Tunable reflex klystron designed for microwave oscillator service, with manufacturer-published frequency range and RF output characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	Klystron
MAXIMUM PLATE VOLTAGE	350 V
Klystron beam and reflector operating values extracted from source table.	

Reflex, tunable oscillator klystron for microwave operation from about 8.5 to 9.6 GHz, with 300 V beam operation.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Amperex Condensed

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 AMPEREX CONDENSED

Section 1 · Klystron

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency range minimum	8500 MHz	—
Frequency range maximum	9600 MHz	—
Electronic tuning range	50 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Beam voltage	300 V	—
Reflector voltage minimum	-230 V	—
Reflector voltage maximum	-160 V	—
Beam current	30 mA	—
Power output	0.04 W	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1999 PHILIPS 0-D

Section 1 · Klystron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency minimum	8500 MHz	Tuning range
Frequency maximum	9600 MHz	Tuning range

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Resonator voltage	300 V	Typical
Resonator current	30 mA	Typical
Output power	40 mW	Typical
Electronic tuning range	50 MHz	Half-power points

TUBE TINKER

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and their source documents.

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