



ELECTRONIC TUBE REFERENCE

6496

Specialized - Microwave Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

MICROWAVE

Voltage-tunable backward-wave microwave oscillator covering approximately 2-4 GHz and producing roughly 35-300 mW RF output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 3.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Microwave

MAXIMUM PLATE VOLTAGE	2100 V
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Published ratings and characteristics promoted semantically from the approved source; repeated identical sections compressed where applicable.

Backward-wave oscillator designed for voltage-tunable microwave oscillator service over approximately 2 to 4 GHz with roughly 35 to 300 mW output.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Microwave

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	2100 V	—
Power Output Minimum	35 mW	—
Power Output Typical	300 mW	High-frequency end

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Minimum	2 GHz	—
Frequency Maximum	4 GHz	—

TUBE TINKER

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and their source documents.

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