



ELECTRONIC TUBE REFERENCE

RT434

Specialized - Microwave Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Planar disc-seal triode designed primarily as a continuous-wave microwave oscillator through approximately 3.3 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.00423 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	350 V
<i>Published ratings and characteristics promoted semantically from the approved source.</i>	

Planar-electrode disc-seal triode designed primarily as a continuous-wave microwave oscillator at frequencies up to 3300 MHz.

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 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	4230 μS	—
Amplification Factor	25	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	350 V	—
Operating Frequency Maximum	3300 MHz	—
Plate Voltage	200 V	—
Plate Current	24 mA	—