



ELECTRONIC TUBE REFERENCE

6503

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

UHF planar triode designed primarily as a continuous-wave oscillator to about 3.3 GHz for stable signal-source or local-oscillator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 405 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.00565 S
AMPLIFICATION FACTOR	22.6
MAXIMUM PLATE VOLTAGE	350 V
MAXIMUM PLATE DISSIPATION	5 W
<i>Published ratings and characteristics promoted semantically from the approved source; repeated identical sections compressed where applicable.</i>	

UHF planar triode designed primarily as a continuous-wave oscillator to about 3300 MHz, suitable as a stable signal source or local oscillator.

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	5650 μ S	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	350 V	—
Maximum Plate Dissipation	5 W	—
Operating Frequency Maximum	3300 MHz	—
Plate Voltage	200 V	—
Power Output Average	450 mW	3300 MHz