

ELECTRONIC TUBE REFERENCE

8527

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Rugged UHF triode for high-frequency service in demanding equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	4150 Ω
TRANSCONDUCTANCE	0.0065 S
AMPLIFICATION FACTOR	27
MAXIMUM PLATE VOLTAGE	165 V
MAXIMUM PLATE DISSIPATION	3.3 W

The Toshiba 8527 is a rugged medium-mu micro-metal triode for RF/IF amplification or oscillator service to about 500 MHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	150 mA	—
Grid-Plate Capacitance	1.3 pF	—
Input Capacitance	2.4 pF	—
Output Capacitance	2.4 pF	—
Plate Voltage	150 V	ClassA
Plate Current	13 mA	ClassA
Plate Resistance	4150 ohm	ClassA
Transconductance	6500 uS	ClassA
Amplification Factor	27 ratio	ClassA
Maximum Intended Frequency	500 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	165 V	—
Maximum Plate Current	22 mA	—
Maximum Plate Dissipation	3.3 W	—