



ELECTRONIC TUBE REFERENCE

TD2500A

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Forced-air-cooled Mullard ceramic disc-seal power triode for RF oscillator, amplifier, and frequency-multiplier service. Rated around 500 W dissipation and 2.7 kV, it provides substantial high-frequency transmitting power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	3.4 V / 19 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	5000 Ω
TRANSCONDUCTANCE	0.014 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	2700 V
MAXIMUM PLATE DISSIPATION	500 W
Forced-air-cooled ceramic disc-seal triode for RF oscillator, amplifier or frequency-multiplier service.	

The Mullard TD2500A is a forced-air-cooled ceramic disc-seal triode for RF oscillator, amplifier or frequency-multiplier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	3.4 V	—
Heater/Filament Current	19 A	—
Transconductance	14000 μ S	—
Amplification Factor	70 ratio	—
Plate Resistance	5000 ohm	—
Plate Voltage	2000 V	—
Plate Current	240 mA	—
Grid Voltage	-2 V	—
Plate-Grid Capacitance	3.8 pF	—
Grid-Filament Capacitance	11 pF	—
Plate-Filament Capacitance	0.05 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	2700 V	—
Maximum Plate Dissipation	500 W	—
Maximum Operating Frequency	1000 MHz	—
RF Output Power	580 W	Representative
RF Output Power	620 W	ClassC; GroundedGrid; 400MHz
RF Output Power	533 W	ClassC; GroundedGrid; 625MHz

TUBE TINKER

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