



ELECTRONIC TUBE REFERENCE

TD0420

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Mullard disc-seal power triode for RF amplifier and oscillator service to approximately 1 GHz. Rated around 20 W dissipation, its high transconductance and low-inductance construction provide useful UHF power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	2800 Ω
TRANSCONDUCTANCE	0.01 S
AMPLIFICATION FACTOR	28
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	20 W
Disc-seal triode for RF amplifier or oscillator service to about 1 GHz.	

The Mullard TD0420 is a disc-seal triode for RF amplifier or oscillator service to about 1 GHz.

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	6.3 V	—
Heater/Filament Current	1 A	—
Transconductance	10000 μ S	—
Amplification Factor	28 ratio	—
Plate Resistance	2800 ohm	—
Plate Voltage	400 V	—
Plate Current	50 mA	—
Plate-Grid Capacitance	2.3 pF	—
Plate-Cathode Capacitance	0.05 pF	—
Grid-Cathode Capacitance	5 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	400 V	—
Maximum Plate Dissipation	20 W	—
Maximum Operating Frequency	1000 MHz	—
RF Output Power	13.5 W	Representative