ELECTRONIC TUBE REFERENCE

TD0310

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Mullard disc-seal triode for common-grid or grounded-anode RF oscillator and power-amplifier service. Its low-inductance construction supports operation to roughly 1 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

PLATE RESISTANCE	5000 Ω
TRANSCONDUCTANCE	0.006 S
AMPLIFICATION FACTOR	30
MAXIMUM PLATE VOLTAGE	350 V
MAXIMUM PLATE DISSIPATION	10 W

Disc-seal triode for common-grid/earthed-anode oscillator or RF power amplifier service.

The Mullard TD0310 is a disc-seal triode for common-grid/earthed-anode oscillator or RF power amplifier service.

SOURCE OPERATING CONDITIONS

1963 Mullard

SOURCE PDF

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	**400 mA**	—
Transconductance	**6000 uS**	—
Amplification Factor	**30 ratio**	—
Plate Resistance	**5000 ohm**	—
Plate Voltage	**250 V**	—
Grid Voltage	**-3.5 V**	—
Plate Current	**20 mA**	—
Plate-Grid Capacitance	**11 pF**	—
Plate-Cathode Capacitance	**0.02 pF**	—
Grid-Cathode Capacitance	**22 pF**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum Plate Voltage	**350 V**	—
Maximum Plate Dissipation	**10 W**	—
Maximum Operating Frequency	**1000 MHz**	—
RF Output Power	**18 W**	Representative

Tube Tinker

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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