



ELECTRONIC TUBE REFERENCE

TD0310F

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Mullard disc-seal triode with internal feedback for common-grid concentric-line RF oscillator service.

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

SECTION 1 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 with internal feedback for common-grid concentric-line oscillator service.	

The Mullard TD0310F is a disc-seal triode with internal feedback for common-grid concentric-line oscillator 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	6.3 V	—
Heater/Filament Current	400 mA	—
Transconductance	6000 μ S	—
Amplification Factor	30 ratio	—
Plate Resistance	5000 ohm	—
Plate Voltage	250 V	—
Grid Voltage	-3.5 V	—
Plate Current	20 mA	—
Plate-Grid Capacitance	1.4 pF	—
Plate-Cathode Capacitance	0.045 pF	—
Grid-Cathode Capacitance	1.7 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.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker