



ELECTRONIC TUBE REFERENCE

TY4400

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated all-glass VHF power triode designed primarily for RF amplifier service. Approximately 350 W plate dissipation and multi-kilovolt capability provide moderate-power high-frequency transmitter operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 10 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.005 S
AMPLIFICATION FACTOR	25
MAXIMUM PLATE VOLTAGE	4000 V
MAXIMUM PLATE DISSIPATION	350 W
MAXIMUM GRID DISSIPATION	40 W
MAXIMUM CATHODE CURRENT	490 mA
<i>Promoted from published Mullard absolute-maximum/limiting-value and characteristic tables; service-specific limits retained in parameter rows.</i>	

All-glass VHF power triode for RF amplifier 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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	10 V	—
HeaterOrFilamentCurrent	10 A	—
Grid To Plate Capacitance	5.3 pF	—
Input Capacitance	150 pF	—
Output Capacitance	7 pF	—
Transconductance	5 mA/V	—
Amplification Factor	25	—
MaximumOperatingFrequency	100 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumOperatingFrequency	100 MHz	—
MaxPlateVoltage	4 kV	DCAnodeSupply
MaxPlateDissipation	350 W	—
MaxGridDissipation	40 W	—
MaxCathodeCurrent	490 mA	DCAnodeSupply