

ELECTRONIC TUBE REFERENCE

TY2125

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated all-glass VHF power triode for radio-frequency service. Moderate plate dissipation and multi-kilovolt capability provide useful transmitting power for VHF oscillator and amplifier applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 5.4 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.003 S
AMPLIFICATION FACTOR	26
MAXIMUM PLATE VOLTAGE	2500 V
MAXIMUM PLATE DISSIPATION	135 W
MAXIMUM GRID DISSIPATION	16 W
MAXIMUM CATHODE CURRENT	240 mA
Published ratings and characteristics promoted semantically from the approved source; repeated identical physical sections compressed where applicable.	

All-glass VHF power triode rated for about 135 W anode dissipation.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1951 Mullard Valve and Service Manual

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

1951 MULLARD VALVE AND SERVICE MANUAL

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency Full Ratings	150 MHz	—
Operating Frequency Reduced Ratings	200 MHz	—
Power Output	560 W	TwoTubes,PushPull,ClassB,AF
Plate Voltage	2500 V	—



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	6.3 V	—
HeaterOrFilamentCurrent	5.4 A	—
Grid To Plate Capacitance	5.5 pF	—
Input Capacitance	5.5 pF	—
Output Capacitance	0.1 pF	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	28 mA/V	—
Amplification Factor	25	—
MaximumOperatingFrequency	200 MHz	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaxPlateVoltage	2.5 kV	—
MaxPlateDissipation	135 W	—
MaxGridDissipation	16 W	—
MaxCathodeCurrent	250 mA	—
PeakCathodeCurrentMaximum	1.6 A	—

TUBE TINKER

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and their source documents.

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