



ELECTRONIC TUBE REFERENCE

TY76000A

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Forced-air-cooled RF power triode for high-power transmitting service through roughly 55 MHz. Approximately 6 kW plate dissipation and 7.2 kV capability provide substantial professional RF power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 33 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.015 S
AMPLIFICATION FACTOR	32
MAXIMUM PLATE VOLTAGE	7200 V
MAXIMUM PLATE DISSIPATION	6000 W
MAXIMUM GRID DISSIPATION	600 W
MAXIMUM CATHODE CURRENT	2.8 A
<i>Promoted values are mapped from the supplied datasheet; additional published ratings, characteristics, capacitances and operating points are retained in TUBE_SECTION_PARAMETER.</i>	

Forced-air-cooled RF power triode rated for 6 kW maximum plate dissipation and operation to about 55 MHz.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum frequency	55 MHz	—
Plate voltage maximum	7200 V	ClassC;Telegraphy;f<=30MHz
Plate current maximum	2.8 A	ClassC;Telegraphy;f<=30MHz
Grid current maximum	600 mA	ClassC;Telegraphy;f<=30MHz
Plate dissipation maximum	6000 W	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	11 pF	—
Input capacitance	16 pF	—
Output capacitance	0.3 pF	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	15000 μ S	V _a =6kV;I _a =1A
Amplification factor	32 ratio	V _a =6kV;I _a =1A

TUBE TINKER

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and their source documents.

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