



ELECTRONIC TUBE REFERENCE

QY31000A

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

External-anode forced-air-cooled UHF power tetrode designed for high-power RF amplification. Its external anode and cooling system permit substantial dissipation.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.02 S
MAXIMUM PLATE VOLTAGE	4500 V
MAXIMUM SCREEN VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	1500 W
<i>External-anode forced-air-cooled UHF power tetrode for high-power RF amplification.</i>	

The Mullard QY31000A is a external-anode forced-air-cooled UHF power tetrode for high-power RF amplification.

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 · Tetrode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	20000 μ S	RepresentativeSpecifiedOperatingPoint
Plate-Grid Capacitance	0.15 pF	—
Plate-Filament Capacitance	6 pF	—
Grid-Filament Capacitance	46 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Operating Frequency	900 MHz	FullOrSpecifiedRatings
Maximum Plate Voltage	4500 V	—
Maximum Screen Voltage	600 V	—
Maximum Plate Dissipation	1500 W	—
RF Output Power	2500 W	RepresentativePublishedOperatingPoint
Maximum Operating Frequency	900 MHz	—

TUBE TINKER

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and their source documents.

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