



ELECTRONIC TUBE REFERENCE

QV08100

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Mullard RF tetrode suitable for single-sideband and Class-C power service. Its output construction supports both linear and nonlinear radio-frequency amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 3.9 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
TRANSCONDUCTANCE	0.009 S
MAXIMUM PLATE VOLTAGE	825 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	100 W
<i>RF tetrode suitable for single-sideband and Class C power service.</i>	

The Mullard QV08100 is a rF tetrode suitable for single-sideband and Class C power 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 · Tetrode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	6.3 V	—
Heater/Filament Current	3.9 A	—
Transconductance	9000 μ S	RepresentativeSpecifiedOperatingPoint
Grid-Cathode Capacitance	30 pF	—
Plate-Cathode Capacitance	12.7 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Operating Frequency	30 MHz	FullOrSpecifiedRatings
Maximum Plate Voltage	825 V	—
Maximum Screen Voltage	300 V	—
Maximum Plate Dissipation	100 W	—
Plate-Grid Capacitance Maximum	0.9 pF	—
RF Output Power	200 W	RepresentativePublishedOperatingPoint
Modulated RF Output Power	130 W	RepresentativePublishedOperatingPoint
Plate Voltage	750 V	ClassC; Telegraphy; 30MHz
Plate Current	385 mA	ClassC; Telegraphy; 30MHz
Screen Voltage	250 V	ClassC; Telegraphy; 30MHz
Efficiency	70 percent	ClassC; Telegraphy; 30MHz

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

