



ELECTRONIC TUBE REFERENCE

QY5800

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

High-power RF tetrode designed for Class-C and single-sideband Class-AB1 linear-amplifier service. It supports both efficient carrier power and linear communications amplification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7.5 V / 22.6 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.01 S
MAXIMUM PLATE VOLTAGE	5500 V
MAXIMUM SCREEN VOLTAGE	800 V
MAXIMUM PLATE DISSIPATION	800 W
<i>High-power RF tetrode for Class C and SSB Class AB1 linear-amplifier service.</i>	

The Mullard QY5800 is a high-power RF tetrode for Class C and SSB Class AB1 linear-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 · Tetrode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input Capacitance	47.6 pF	—
Output Capacitance	9.5 pF	—
Plate-Grid Capacitance	0.1 pF	—
Transconductance	10000 uS	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate Voltage	5500 V	—
Maximum Plate Dissipation	800 W	—
RF Output Power	2400 W	ClassC; 30MHz
PEP Output Power	1300 W	ClassAB1; SSB; 30MHz

TUBE TINKER

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and their source documents.

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