



ELECTRONIC TUBE REFERENCE

QQV0750

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

UHF power double tetrode designed for Class-C amplification and frequency-multiplier service to approximately 500 MHz. Two sections provide compact paired RF power operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.8 A	PARALLEL HEATER	6.3 V / 1.8 A
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE DISSIPATION	25 W
<i>Representative of two identical RF-power sections.</i>	

The Mullard QQV0750 is a uHF power double tetrode for Class C amplifier and frequency-multiplier service to 500 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 · Tetrode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	1.8 A	—
Heater Voltage Series	12.6 V	—
Heater Current Series	900 mA	—
Heater Voltage Parallel	6.3 V	—
Heater Current Parallel	1.8 A	—
Push-Pull Output Capacitance	2.1 pF	TwoSections; PushPull
Push-Pull Input Capacitance	6.7 pF	TwoSections; PushPull
Plate-to-Other-Anode Capacitance	3.2 pF	EachSection

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Operating Frequency	500 MHz	—
Maximum Plate Voltage	750 V	ClassC; TelegraphyOrFMTelephony; f<250MHz
Maximum Plate Voltage	600 V	ClassC; TelegraphyOrFMTelephony; f=500MHz
Maximum Plate Dissipation	25 W	EachSection; ClassC
RF Output Power	103 W	ClassC; TelegraphyOrFMTelephony
RF Output Power	80 W	ClassC; Telephony
RF Output Power	27 W	FrequencyMultiplier
Frequency Multiplier Output Frequency	475 MHz	Tripler; Input=153MHz

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

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