

ELECTRONIC TUBE REFERENCE

QV2250B

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Forced-air-cooled UHF power tetrode designed for operation to approximately 500 MHz. Its professional construction supports substantial radio-frequency output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 2.6 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.012 S
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	250 W
Forced-air-cooled UHF power tetrode for operation to 500 MHz.	

The Mullard QV2250B is a forced-air-cooled UHF power tetrode for operation 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/Filament Voltage	6 V	—
Heater/Filament Current	2.6 A	—
Transconductance	12000 μ S	RepresentativeSpecifiedOperatingPoint
Grid-Cathode Capacitance	15.7 pF	—
Plate-Cathode Capacitance	4.5 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Operating Frequency	500 MHz	FullOrSpecifiedRatings
Maximum Plate Voltage	2000 V	—
Maximum Screen Voltage	300 V	—
Maximum Plate Dissipation	250 W	—
Plate-Grid Capacitance Maximum	0.06 pF	—
RF Output Power	390 W	RepresentativePublishedOperatingPoint
RF Output Power	225 W	RepresentativePublishedOperatingPoint
Plate Voltage	2000 V	ClassC; Telegraphy; 175MHz
Plate Current	250 mA	ClassC; 175MHz
RF Output Power	390 W	ClassC; 175MHz
Plate Voltage	2000 V	ClassC; Telegraphy; 500MHz
RF Output Power	225 W	ClassC; 500MHz

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

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