

ELECTRONIC TUBE REFERENCE

QV0620

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
BEAMPOWER

VHF beam-power tetrode designed for RF amplifier and oscillator service to approximately 175 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.25 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	20 W
MAXIMUM SCREEN DISSIPATION	3 W
VHF beam-power tetrode for RF amplifier or oscillator service to 175 MHz.	

The Mullard QV0620 is a vHF beam-power tetrode for RF amplifier or oscillator service to 175 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 · Beam Power

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/Filament Voltage	6.3 V	—
Heater/Filament Current	1.25 A	—
Input Capacitance	13.5 pF	—
Output Capacitance	8.5 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Operating Frequency	175 MHz	FullOrSpecifiedRatings
Maximum Plate Voltage	600 V	—
Maximum Screen Voltage	250 V	—
Maximum Plate Dissipation	20 W	—
Plate-Grid Capacitance Maximum	0.22 pF	—
RF Output Power	52 W	RepresentativePublishedOperatingPoint
RF Output Power	25 W	RepresentativePublishedOperatingPoint
Modulated RF Output Power	32 W	RepresentativePublishedOperatingPoint
Plate Voltage	600 V	ClassC; TelegraphyOrFMTelephony; 60MHz
Plate Current	112 mA	ClassC; 60MHz
RF Output Power	52 W	ClassC; 60MHz
Plate Voltage	320 V	ClassC; 175MHz
RF Output Power	25 W	ClassC; 175MHz

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

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