

ELECTRONIC TUBE REFERENCE

QV0312

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
BEAMPOWER

VHF beam-power tetrode designed for RF power amplification and frequency multiplication to approximately 175 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6 V / 750 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.007 S
AMPLIFICATION FACTOR	16
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	12 W
MAXIMUM SCREEN DISSIPATION	2 W
VHF beam-power tetrode for RF power amplification and frequency multiplication.	

The Mullard QV0312 is a vHF beam-power tetrode for RF power amplification and frequency multiplication.



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 V	—
Heater/Filament Current	750 mA	—
Transconductance	7000 μ S	RepresentativeSpecifiedOperatingPoint
Input Capacitance	9.5 pF	—
Output Capacitance	4.5 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Operating Frequency	175 MHz	FullOrSpecifiedRatings
Maximum Plate Voltage	300 V	—
Maximum Screen Voltage	250 V	—
Maximum Plate Dissipation	12 W	—
Plate-Grid Capacitance Maximum	0.3 pF	—
RF Output Power	10 W	RepresentativePublishedOperatingPoint
Frequency Multiplier Output Power	3.6 W	RepresentativePublishedOperatingPoint

TUBE TINKER

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and their source documents.

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