



ELECTRONIC TUBE REFERENCE

QV047

Power - Beam Single (NOT sweep) (under 10W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Beam tetrode designed for RF amplification or frequency multiplication to approximately 150 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.0019 S
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	7.5 W
<i>Published ratings and characteristics promoted semantically from the approved source; repeated identical physical sections compressed where applicable.</i>	

The Mullard QV047 is a beam tetrode for RF amplification or frequency multiplication to 150 MHz.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1951 Mullard Valve and Service Manual

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1951 MULLARD VALVE AND SERVICE MANUAL

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Frequency Maximum	150 MHz	—
Plate Voltage	300 V	ClassC
Power Output	8.1 W	ClassC,3MHz
Frequency Multiplier Output	5.6 W	FrequencyDoubler,75MHz



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	600 mA	—
Transconductance	1900 μ S	RepresentativeSpecifiedOperatingPoint
Input Capacitance	8 pF	—
Output Capacitance	5.4 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Operating Frequency	150 MHz	FullOrSpecifiedRatings
Maximum Plate Voltage	400 V	—
Maximum Screen Voltage	250 V	—
Maximum Plate Dissipation	7.5 W	—
Plate-Grid Capacitance Maximum	0.1 pF	—
RF Output Power	15.6 W	RepresentativePublishedOperatingPoint
Frequency Tripler Output Power	3.3 W	RepresentativePublishedOperatingPoint

TUBE TINKER

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and their source documents.

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