



ELECTRONIC TUBE REFERENCE

QV047R

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Special-quality 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	0.003 S
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	7.5 W
<i>Special-quality beam tetrode for RF amplification or frequency multiplication to 150 MHz.</i>	

The Mullard QV047R is a special-quality beam tetrode for RF amplification or frequency multiplication to 150 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	600 mA	—
Transconductance	3000 μ S	RepresentativeSpecifiedOperatingPoint
Input Capacitance	8.2 pF	—
Output Capacitance	6 pF	—
Plate-Grid Capacitance	0.07 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	—
Maximum Plate Supply Voltage	550 V	—