

ELECTRONIC TUBE REFERENCE

QY365

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Directly heated VHF power tetrode designed for RF and audio/modulator service. Its transmitting construction supports both radio-frequency and modulation power.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6 V / 3.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.004 S
MAXIMUM PLATE VOLTAGE	3000 V
MAXIMUM SCREEN VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	65 W
Directly heated VHF power tetrode for RF and audio/modulator service.	

The Mullard QY365 is a directly heated VHF power tetrode for RF and audio/modulator service.

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	3.5 A	—
Transconductance	4000 μ S	RepresentativeSpecifiedOperatingPoint
Input Capacitance	8 pF	—
Output Capacitance	2.1 pF	—
Plate-Grid Capacitance	0.08 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Operating Frequency	250 MHz	FullOrSpecifiedRatings
Maximum Plate Voltage	3000 V	—
Maximum Screen Voltage	400 V	—
Maximum Plate Dissipation	65 W	—
RF Output Power	280 W	RepresentativePublishedOperatingPoint
RF Output Power	110 W	RepresentativePublishedOperatingPoint
Push-Pull Audio Output Power	270 W	RepresentativePublishedOperatingPoint
Plate Voltage	3000 V	ClassC; 50MHz
Plate Current	115 mA	ClassC; 50MHz
RF Output Power	280 W	ClassC; 50MHz
Plate Voltage	1500 V	ClassC; 220MHz
RF Output Power	110 W	ClassC; 220MHz

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

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