ELECTRONIC TUBE REFERENCE

QV20P18

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TETRODE

RF power tetrode for professional transmitting service. Its substantial heater power and electrode construction support high radio-frequency output.

General characteristics

BASE DESIGNATION	_	**BASE PINS**	_
NOMINAL HEATER	26 V / 2.25 A	**PARALLEL HEATER**	_ / _
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Tetrode

MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM SCREEN VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	60 W

High-voltage tetrode pulse modulator rated for 20 kV and 18 A.

The Mullard QV20P18 is a high-voltage tetrode pulse modulator rated for 20 kV and 18 A.

SOURCE OPERATING CONDITIONS

1963 Mullard

SOURCE PDF

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	**26 V**	—
Heater/Filament Current	**2.25 A**	—
Input Capacitance	**43 pF**	—
Output Capacitance	**9 pF**	—
Plate-Grid Capacitance	**0.3 pF**	—
Pulse Duration	**2 us**	—
Pulse Repetition Frequency	**500 Hz**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum Plate Voltage	**20000 V**	—
Maximum Screen Voltage	**1500 V**	—
Maximum Plate Dissipation	**60 W**	—
Maximum Pulse Plate Voltage	**25000 V**	—
Maximum Pulse Plate Current	**18 A**	—
Pulse Output Power	**305 kW**	RepresentativePublishedOperatingPoint
Plate Voltage	**20000 V**	PulseModulator
Pulse Plate Current	**16 A**	PulseModulator
Pulse Input Power	**320 kW**	PulseModulator
Pulse Output Power	**305 kW**	PulseModulator

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

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