

ELECTRONIC TUBE REFERENCE

QYS50P40

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Very-high-power directly heated RF tetrode with a massive filament. It is intended for major transmitting installations requiring substantial radio-frequency output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	11.5 V / 64 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.038 S
MAXIMUM PLATE VOLTAGE	50000 V
MAXIMUM SCREEN VOLTAGE	5000 V
MAXIMUM PLATE DISSIPATION	5000 W
Silica-envelope tetrode pulse modulator rated for 50 kV and 40 A; substantial X-radiation hazard.	

The Mullard QYS50P40 is a silica-envelope tetrode pulse modulator rated for 50 kV and 40 A; substantial X-radiation hazard.

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
Filament Voltage	11.5 V	—
Filament Current	64 A	—
Plate-Grid Capacitance	3 pF	—
Grid-to-All-Other-Electrodes Capacitance	45 pF	—
Transconductance	38000 μ S	V _a =10kV; I _a =30A

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Filament Surge Current	100 A	Warmup
Maximum Plate Voltage	50000 V	PulseModulator
Maximum Pulse Current	40 A	PulseModulator

TUBE TINKER

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and their source documents.

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