



ELECTRONIC TUBE REFERENCE

YL1030

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Quick-heating double tetrode for mobile VHF/UHF transmitters, usable as an RF power amplifier or frequency multiplier. Its paired sections deliver useful transmitter power into the several-hundred-megahertz region while minimizing warm-up delay in intermittent service.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	750 V
MAXIMUM PLATE DISSIPATION	20 W
Representative of two identical RF-power tetrode sections.	

The Mullard YL1030 is a quick-heating VHF/UHF double tetrode for mobile RF amplification and frequency multiplication.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Operating Frequency	500 MHz	—
Maximum Plate Voltage	750 V	—
Maximum Plate Dissipation	20 W	EachSection
RF Output Power	85 W	RepresentativePublishedMaximum
RF Output Power	64 W	ClassC; Telephony; 180MHz
RF Output Power	85 W	ClassC; TelegraphyOrFMTelephony; 180MHz
Maximum Plate Voltage	500 V	f=500MHz

TUBE TINKER

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