



ELECTRONIC TUBE REFERENCE

YL1190

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TETRODE-TETRODE

Quick-heating double tetrode for mobile RF power amplification and frequency multiplication. Published Class C operation provides useful output at 200 MHz and continues to about 500 MHz, including frequency-tripler service at the upper end.

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	400 V
MAXIMUM PLATE DISSIPATION	8 W
<i>Representative of two identical RF-power tetrode sections.</i>	

SECTION2 Tetrode	
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	8 W
<i>Second physical tetrode section; added to align double-tetrode construction with SectionCount=2.</i>	

The Mullard YL1190 is a quick-heating double tetrode for mobile RF amplifier and frequency-multiplier 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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Operating Frequency	500 MHz	—
Maximum Plate Voltage	400 V	—
Maximum Plate Dissipation	8 W	EachSection
RF Output Power	33 W	RepresentativePublishedMaximum
RF Output Power	33 W	ClassC; 200MHz
RF Output Power	19 W	ClassC; 500MHz
Frequency Tripler Output Power	6.5 W	500MHzOutput; 167MHzInput

TUBE TINKER

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and their source documents.

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