

ELECTRONIC TUBE REFERENCE

YL1240

Power - Tetrode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TETRODE-TETRODE

VHF double tetrode containing two identical RF power sections for mobile Class C amplification, oscillation, and frequency multiplication. The paired structure permits balanced or combined transmitter operation while retaining compact size and moderate plate dissipation.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	450 V
MAXIMUM PLATE DISSIPATION	10 W
Representative of two identical RF-power tetrode sections.	

SECTION2 Tetrode	
MAXIMUM PLATE VOLTAGE	450 V
MAXIMUM PLATE DISSIPATION	10 W
Second physical tetrode section; added to align double-tetrode construction with SectionCount=2.	

The Mullard YL1240 is a single-ended VHF double tetrode for mobile Class C amplifier, oscillator 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	200 MHz	—
Maximum Plate Voltage	450 V	—
Maximum Plate Dissipation	10 W	EachSection
RF Output Power	33 W	RepresentativePublishedMaximum
RF Output Power	22 W	ClassC; CCS; 200MHz
RF Output Power	33 W	ClassC; ICAS; 200MHz
Plate Voltage	450 V	ClassC; ICAS; 200MHz
Plate Current	56 mA	EachSection; ClassC; ICAS
Screen Voltage	200 V	ClassC; ICAS
Frequency Tripler Output Power	12 W	174MHzOutput; 58MHzInput

TUBE TINKER

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and their source documents.

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