



ELECTRONIC TUBE REFERENCE

YL1130

Voltage - Dual Tetrode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TETRODE-TETRODE

Quick-heating internally neutralized twin tetrode designed for intermittent mobile RF power-amplifier and frequency-multiplier service; co-designated YL1130/8408.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	11 V / 3.1 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
TRANSCONDUCTANCE	0.007 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	4 W
Representative of two identical RF tetrode sections.	

SECTION2 Tetrode	
TRANSCONDUCTANCE	0.007 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	4 W
Second physical tetrode section; electrically identical twin section.	

The Mullard YL1130 is a quick-heating double tetrode for intermittent mobile amplifier and frequency-multiplier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1959 Telefunken

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1959 TELEFUNKEN

Section 1 · Tetrode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	11 V	—
Heater Current	3.1 A	—
Heater Warmup Time	0.5 s	Maximum
Maximum Intended Frequency	500 MHz	—
Transconductance	7000 μ S	Each section



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	300 V	—
Maximum Plate Dissipation	4 W	EachSection
RF Output Power	16 W	RepresentativePublishedMaximum
RF Output Power	16 W	ClassC; 200MHz
RF Output Power	8 W	ClassC; 500MHz

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Frequency Tripler Output Power	3.5 W	500MHzOutput; 167MHzInput

TUBE TINKER

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