



ELECTRONIC TUBE REFERENCE

YL1150

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Versatile Mullard beam-power tetrode for VHF Class-C RF, SSB linear, and Class-AB audio/modulator service, producing roughly 150 W RF or 200 W push-pull audio.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	12.6 V / 1.3 A	PARALLEL HEATER	6.3 V / 2.6 A
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.035 S
AMPLIFICATION FACTOR	4.7
MAXIMUM PLATE VOLTAGE	750 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	75 W
MAXIMUM SCREEN DISSIPATION	7.5 W
MAXIMUM CATHODE CURRENT	360 mA
VHF beam-power tetrode section.	

The Mullard YL1150 is a beam-power tetrode for VHF Class C RF service, SSB linear amplification, and Class AB audio/modulator operation.



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 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Operating Frequency	60 MHz	LinearAndClassC
Maximum Plate Voltage	750 V	—
Maximum Plate Dissipation	75 W	—
PEP Output Power	120 W	ClassB; SSB; 30MHz
RF Output Power	150 W	ClassC; 30MHz
Push-Pull Audio Output Power	200 W	ClassAB; TwoTubes; Representative

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker