



ELECTRONIC TUBE REFERENCE

YL1110

Power - Beam (NOT sweep) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Forced-air coaxial UHF beam tetrode for common-grid amplification, television translation, oscillation, and SSB linear service, with 700 W plate dissipation and operation to roughly 1.2 GHz.

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 Beam Power	
MAXIMUM PLATE VOLTAGE	2500 V
MAXIMUM PLATE DISSIPATION	700 W
<i>Coaxial UHF beam-power section.</i>	

The Mullard YL1110 is a forced-air-cooled coaxial beam-power tetrode for UHF common-grid amplification, oscillation, television translation, and SSB linear 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 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Operating Frequency	1215 MHz	—
Maximum Plate Voltage	2500 V	—
Maximum Plate Dissipation	700 W	ClassC
RF Output Power	765 W	ClassC; 470MHz; Plus25W
PEP Output Power	1000 W	ClassB; SSB; 30MHz
Television Translator Output Power	55 W	ClassAB; 790MHz

TUBE TINKER

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and their source documents.

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