



ELECTRONIC TUBE REFERENCE

60HL5

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

High-perveance beam-power audio-output tube designed for high sensitivity from low B+ supplies, delivering about 3 W single-ended or roughly 16.5 W from a push-pull pair.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	60 V / 100 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	7500 Ω
TRANSCONDUCTANCE	0.017 S
AMPLIFICATION FACTOR	13
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	12 W
MAXIMUM SCREEN DISSIPATION	2.5 W
MAXIMUM CATHODE CURRENT	110 mA
<i>Published Westinghouse ratings, characteristics, operating conditions, and capacitances extracted from supplied source.</i>	

High-perveance beam-power output tube for low-B+ audio service and television applications.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Westinghouse Data Book

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

1965 WESTINGHOUSE DATA BOOK

Section 1 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	60 V	—
HeaterOrFilamentCurrent	100 mA	—
Transconductance	17000 μ S	—
Input Capacitance	8.5 pF	—
Output Capacitance	8.5 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	130 V	ClassA
Screen Voltage	130 V	ClassA
Plate Current	70 mA	ClassA
Screen Current	5 mA	ClassA
Load Resistance	2000 ohm	ClassA
Power Output	3 W	ClassA
PushPullPowerOutput	16.5 W	TwoTubes;PushPull;ClassAB

TUBE TINKER

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and their source documents.

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