



ELECTRONIC TUBE REFERENCE

6HJ5

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

High-perveance beam pentode designed for television horizontal-deflection amplification, emphasizing high peak plate current for sweep-output service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
NOMINAL HEATER	6.3 V / 2.25 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
MAXIMUM PLATE VOLTAGE	770 V
MAXIMUM SCREEN VOLTAGE	220 V
MAXIMUM PLATE DISSIPATION	24 W
MAXIMUM SCREEN DISSIPATION	8 W
MAXIMUM CATHODE CURRENT	280 mA
Section 1 extracted from 6HJ5.pdf.	

Beam pentode for horizontal-deflection amplifiers in television receivers, designed for high peak plate current and high perveance.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Raytheon

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

1938 RAYTHEON

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage {(boost + D@ power supply) . .+ .« . 0 0 . 0 0	770 V	Plate voltage {(boost + D@ power supply) . .+ .« . 0 0 . 0 0 770 volts
Grid #2 voltage + . « . ¢ 0 0 0 . 0 - P h e e e NP	220 V	Grid #2 voltage + . « . ¢ 0 0 0 . 0 - P h e e e NP 220 volts
Average cathode current, P T	280 mA	Average cathode current, P T . . 280 ma TERMINAL CONNECTIONS
Peak negative platevoltage, © « 4 0 i e e e s e e	1500 V	Peak negative platevoltage, © « 4 0 i e e e s e e 1500 volts
Grid #2 current « 180%+ 4%+ A4+	55 mA	: Grid #2 current « 180%+ 4%+ A4+ 55 ma