ELECTRONIC TUBE REFERENCE

HY115

Voltage - Pentode electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PENTODE

Directly heated low-voltage battery pentode designed as a high-gain, high-impedance audio voltage amplifier.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	1.4 V / 70 mA	**PARALLEL HEATER**	– / –
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Pentode	
PLATE RESISTANCE	25000 Ω
TRANSCONDUCTANCE	0.00025 S
Promoted ratings/characteristics from HY113.pdf.	

BANTAM JR. SERIES Type HY113 Triode R. F. Oscillator or Detector Filament Voltage..... 1.4 volts Filament Current... ....70 ma. Plate Voltage..... ..45 volts Grid Voltage..... —4.5 volts Plate Current.....coocooveeeeece. 0.4 ma. Transconductance.....250 umhos. Amp. Factor ... 6.3 Plate Resistance ... 25,000 ohms $1.75 Net Type HY115 Pentode High Gain, High Impedance, Audio Voltage Amplifier Filament Voltage..... 1.4 volts Filament Current.. ...70 ma Plate Voltage..... 45 volts Screen Voltage.. ..22.5 volts Grid Voltage ... *~1.5 volts Av. Plate Current..... 0. 03 ma. Av. Screen Current.....* Av, Amp. Factor... Transconductance.. Plate Resistance.....

SOURCE OPERATING CONDITIONS

1944 Hytron

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

1944 HYTRON

Section 1 · Pentode

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	**1.4 V**	Published nominal value
Heater or filament current	**70 mA**	Published nominal value

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