



ELECTRONIC TUBE REFERENCE

HY113

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Low-filament-power Bantam Junior triode designed for radio-frequency oscillator or detector service from a 1.4 V filament and low plate voltage.

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

SECTION 1 Triode	
PLATE RESISTANCE	25000 Ω
TRANSCONDUCTANCE	0.00025 S
AMPLIFICATION FACTOR	6.3
<i>Promoted ratings/characteristics from HY113.pdf. Hytron HY113 Bantam Junior directly heated 1.4 V, 70 mA low-power battery triode for RF oscillator or detector service. Typical test point: plate 45 V, control grid -4.5 V and plate current 0.4 mA. Published intrinsic amplification factor 6.3, transconductance 250 μS and plate resistance 25000 Ω. The 45 V plate condition is typical, not an explicitly declared absolute maximum.</i>	

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

[SOURCE PDF](#)

1944 Hytron

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

1944 HYTRON

Section 1 · Triode

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

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