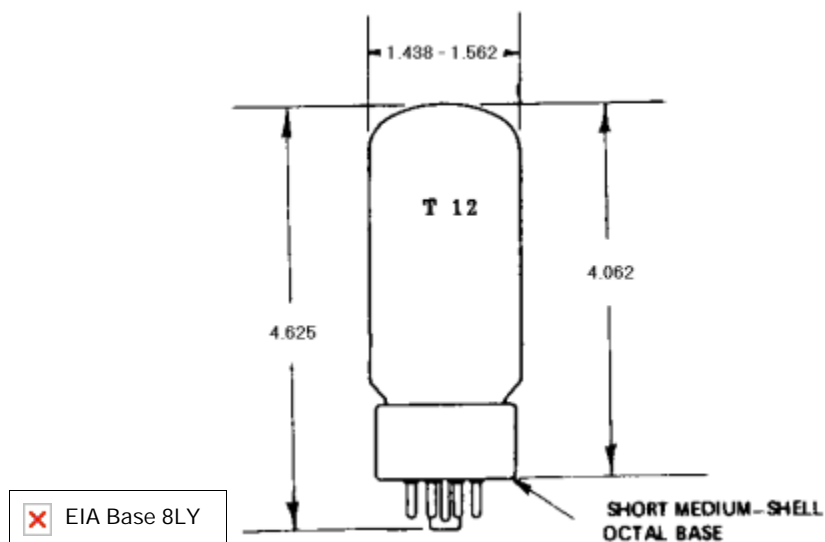


# NJ7P Tube Database Search

## 8417 Beam Power Tube

Base & Bulb ( RCA RC-29 - 1975)



### Application

Glass octal type used as output amplifier in high-fidelity, high-power sound systems. Requires octal socket.

### Mechanical Data

Bulb .....	T-12
Outline .....	12-16
EIA Base .....	8LY

### Electrical Data

Heater Voltage .....	6.3 V
Heater Current .....	1.6 A
Maximum Heater-Cathode Voltage	
Heater Positive with Respect to Cathode	
DC Component .....	100 V
Total DC and Peak .....	200 V
Heater Negative with Respect to Cathode	
DC Component .....	100 V
Total DC and Peak .....	200 V

## Maximum Ratings (Design Center Values)

### Pentode

Plate Voltage .....	660 V
Grid No. 2 Voltage .....	500 V
Plate Dissipation .....	35 W
Grid No. 2 Dissipation .....	5 W

## Characteristics and Typical Operation

### Class A Amplifier

Plate Voltage .....	300 V
Grid No. 2 Voltage .....	300 V
Grid No. 1 Voltage .....	-12 V
Plate Resistance (approx) .....	16K $\Omega$
Transconductance .....	23K $\mu S$
Plate Current .....	100 mA
Grid No. 2 Current .....	5.5 mA
Grid No. 1 Voltage for Ib .....	1000 $\mu A$ @ -37 V

## Characteristics and Typical Operation

### Push Pull Class AB1 Amplifier

Plate Voltage .....	560 V
Grid No. 2 Voltage .....	300 V
Grid No. 1 Voltage .....	-15.5 V
Peak Grid No. 1 Voltage.....	31 V
Plate Current (Zero Signal) .....	100 mA
Plate Current (Maximum Signal) .....	270 mA
Grid No. 2 Current (Zero Signal) .....	3.4 mA
Grid No. 2 Current (Maximum Signal) .....	31 mA
Load Resistance .....	4.2K $\Omega$
Power Output (approx) .....	100 W
Total Harmonic Distortion .....	2.0 %

## Characteristics and Typical Operation

### Push Pull Class AB1 Amplifier

Plate Voltage .....	400 V
Grid No. 2 Voltage .....	275 V
Grid No. 1 Voltage .....	-13 V
Peak Grid No. 1 Voltage.....	24 V
Plate Current (Zero Signal) .....	150 mA
Plate Current (Maximum Signal) .....	294 mA
Grid No. 2 Current (Zero Signal) .....	4.4 mA
Grid No. 2 Current (Maximum Signal) .....	34 mA
Load Resistance .....	2.8K $\Omega$
Power Output (approx) .....	65 W
Total Harmonic Distortion .....	2.5 %

Searched 20770 records on 3667 tube types

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Please enter the tube number:

This database contains data on thousands of tubes. Every effort has been made to insure the accuracy of this reference, however, I assume no liability for the results of using information contained herein.

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