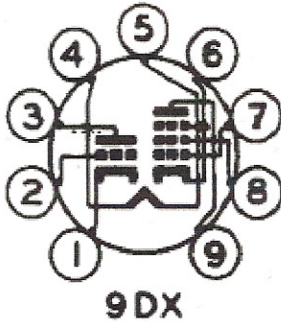


**6JT8**  
**High-Mu Triode - Sharp-Cutoff Pentode**

Base & Bulb ( RCA RC-29 - 1975)



**Substitute Data**

Preferred Substitutes ..... 6LY8  
 Substitutes ..... 6EB8 6GN8 6JE8 6KV8

**Application**

Neonovial type with frame grid pentode used in color and bw tv receivers. The triode is used as a voltage-amplifier or sync-separator tube, and the pentode is used as a video-amplifier tube. Requires miniature 9-contact socket.

**Mechanical Data**

Bulb ..... T-9  
 Outline ..... 9-69  
 EIA Base ..... 9DX

**Electrical Data**

Heater Voltage ..... 6.3 V  
 Heater Current ..... 0.725 A

**Maximum Ratings (Design Center Values)**

**Pentode**

Plate Voltage ..... 330 V  
 Grid No. 2 Voltage ..... 330 V  
 Plate Dissipation ..... 4 W  
 Grid No. 2 Dissipation ..... 1.1 W

## Maximum Ratings (Design Center Values)

### Triode

Plate Voltage .....	330 V
Plate Dissipation .....	1 W

### Characteristics and Typical Operation

#### Triode Class A Amplifier

Plate Voltage .....	250 V
Grid No. 1 Voltage .....	-2 V
Amplification Factor .....	100
Plate Resistance (approx) .....	37K $\Omega$
Transconductance .....	2700 $\mu\text{S}$
Plate Current .....	1.5 mA

### Characteristics and Typical Operation

#### Pentode Class A Amplifier

Plate Voltage .....	200 V
Grid No. 2 Voltage .....	100 V
Grid No. 1 Voltage Derived from Cathode Bias Resistor .....	82 $\Omega$
Plate Resistance (approx) .....	50K $\Omega$
Transconductance .....	20K $\mu\text{S}$
Plate Current .....	17 mA
Grid No. 2 Current .....	3.5 mA