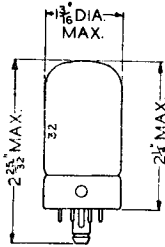
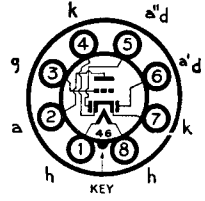


**7B6**  
**7B7**



Replacement Type

**TYPE 7B6**  
**(LOCTAL BASE)**  
**DOUBLE DIODE TRIODE**



**RATINGS**

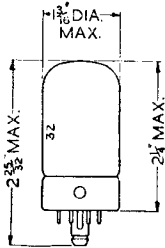
Heater Voltage	...	6.3 volts	Anode Voltage	...	300 volts max.
Heater Current	...	0.3 amp.	Diode Current	...	1.0 mA max.

**OPERATING CHARACTERISTICS**

Anode Voltage	...	100	250 volts	Anode Impedance	...	110,000	91,000 ohms
Anode Current	...	0.4	0.9 mA	Mutual Conductance	...	0.9	1.1 mA/V
Grid Voltage	...	-1.0	-2.0 volts	Amplification Factor	...	100	100

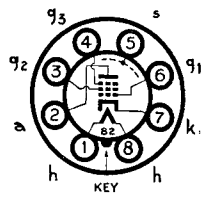
**OPERATION AS RESISTANCE CAPACITY COUPLED AMPLIFIER**

Anode Supply Voltage	...	100	250	250	volts
Anode Load Resistor	...	0.47	0.27	0.27	meg.
Grid Resistor	...	1.0	1.0	10.0	meg.
Cathode Bias Resistor	...	8,200	3,300	0	ohms
Succeeding Grid Resistor	...	0.47	0.47	0.47	meg.
Peak Output	...	8.0	44	44	volts
Stage Gain	...	48	59	56	
Harmonic Distortion	...	4	4	5	per cent.



Replacement Type

**TYPE 7B7**  
**(LOCTAL BASE)**  
**VARI-MU R.F. PENTODE**



**RATINGS**

Heater Voltage	...	6.3 volts	Anode Dissipation	...	2.25 watts max.
Heater Current	...	0.15 amp.	Screen (g <sub>2</sub> ) Voltage	...	100 volts max.
Anode Voltage	...	300 volts max.	Screen Dissipation	...	0.25 watts max.

**OPERATING CHARACTERISTICS**

Anode Voltage	...	100	250	volts
Anode Current	...	8.2	8.5	mA
Screen Voltage	...	100	100	volts
Screen Current	...	1.8	1.7	mA
Control Grid (g <sub>1</sub> ) Voltage	...	-3	-3	volts
Cathode Bias Resistor	...	300	300	ohms
Anode Impedance	...	0.3	0.75	meg.
Mutual Conductance	...	1.65	1.75	mA/V
*Control Grid Voltage	...	-40	-40	volts

\*For Mutual conductance of 0.01 mA/V.