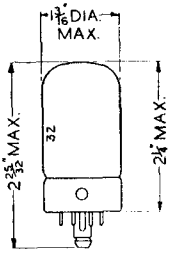


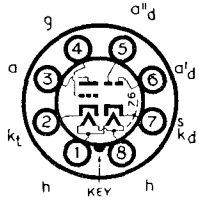
OBSOLETE—FOR REFERENCE ONLY

TYPE 7K7

(LOCTAL BASE)

DOUBLE DIODE TRIODE

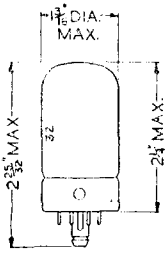
(SEPARATE TRIODE CATHODE)



CHARACTERISTICS

Heater Voltage	6.3 volts
Heater Current	0.3 amp.

For further characteristics and curves refer to type 6SL7GT.



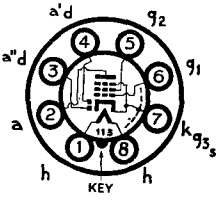
Replacement Type

TYPE 7R7

(LOCTAL BASE)

DOUBLE DIODE

R.F. PENTODE



The BRIMAR type 7R7 is a multiple valve of "all glass" construction designed for simultaneous operation as detector and I.F. or L.F. amplifier in radio receivers. The pentode section has semi-vari-mu characteristics and A.V.C. may be applied.

RATINGS

Heater Voltage	6.3 volts
Heater Current	0.3 amp.
Anode Voltage	300 volts max.
Anode Dissipation	2.0 watts max.
Screen (g_2) Voltage	100 volts max.
Screen Dissipation	0.25 watt max.

OPERATING CHARACTERISTICS

Anode Voltage	100	250	volts
Anode Current	5.5	6.2	mA
Screen Voltage	100	100	volts
Screen Current	2.2	1.6	mA
Control Grid (g_1) Voltage	−1.0	−1.0	volt
Cathode Bias Resistor	150	150	ohms
Anode Impedance	0.35	1.0	meg.
Mutual Conductance	3.0	3.2	mA/V
Control Grid Voltage (For Anode current cut-off)	−16	−20	volts

INTER-ELECTRODE CAPACITANCES †

Input (Control Grid to all except Anode)	5.6	pF
Output (Anode to all except Control Grid)	5.3	pF
Control Grid to Anode	0.004	pF max.

† *With close fitting external shield connected to Cathode.*