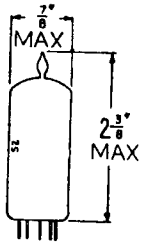
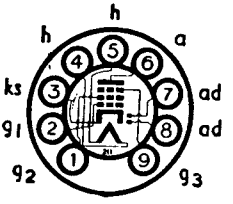


Replacement Type

TYPE **EBF80/6N8**
DOUBLE DIODE VARI-MU PENTODE



RATINGS

Heater Voltage	6.3 volts
Heater Current	0.3 amp.
Anode Voltage	300 volts max.
Anode Voltage ($1_a = 0$)	500 volts max.
Screen Voltage	300 volts max.
Screen Voltage ($1_{g_2} = 0$)	500 volts max.
Anode Dissipation	1.5 watts max.
Screen Dissipation	0.3 watts max.
Cathode Current	10 mA max.
Heater-Cathode Voltage	100 volts max.
Diode Current	0.8 mA max.

OPERATING CHARACTERISTICS (PENTODE SECTION)

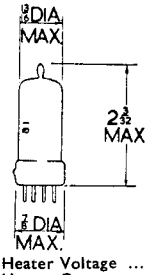
Anode Voltage	250 volts
Screen Voltage	85 volts
Control Grid Voltage	—2 volts
Anode Current	5 mA
Screen Current	1.75 mA
Mutual Conductance	2.2 mA/V
Anode Impedance	1.5 MΩ
Inner Amplification Factor ($\mu_{g_1-g_2}$)	18

OPERATION AS RESISTANCE COUPLED A.F. AMPLIFIER

Anode and Screen Supply Voltage	250	250	250	250 volts
Anode Resistor	220	100	220	100kΩ
Screen Series Resistor	680	270	680	270kΩ
Control Grid Resistor	1	1	10	10MΩ
Control Grid Resistor (following stage)	680	330	680	330kΩ
Cathode Bias Resistor	1200	560	0	0Ω
Stage Gain	150	100	185	125

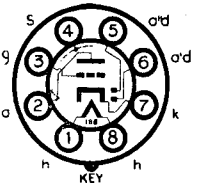
INTER-ELECTRODE CAPACITANCES

Pentode Section:	
Input	4.2 pF
Output	4.9 pF
Grid to Anode	0.0025 pF max.
Diode Section:	
Diode 1 Anode to Cathode	2.2 pF
Diode 2 Anode to Cathode	2.35 pF
Diode 1 Anode to Pentode Control Grid	0.0008 pF max.
Diode 2 Anode to Pentode Control Grid	0.001 pF max.



Replacement Type

TYPE **EBC41**
DOUBLE DIODE TRIODE



Heater Voltage	6.3 volts
Heater Current	0.23 amp.
Anode Voltage	250 volts
Grid Voltage	—3 volts
Anode Current	1 mA
Amplification Factor	70
Mutual Conductance	1.3 mA/V
Anode Impedance	54 kΩ