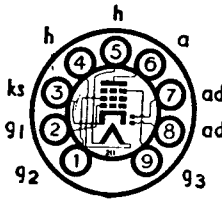


Replacement Type

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 ($1_{a1} = 0$) ... | 500 volts max. |
| Screen Voltage ... | 300 volts max. |
| Screen Voltage ($1_{g2} = 0$) ... | 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)

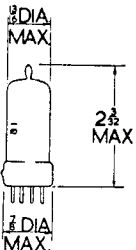
| | |
|--|----------------|
| Anode Voltage ... | 250 volts |
| Screen Voltage ... | 85 volts |
| Control Grid Voltage ... | -2 volts |
| Anode Current ... | 5 mA |
| Screen Current ... | 1.75 mA |
| Mutual Conductance ... | 2.2 mA/V |
| Anode Impedance ... | 1.5 M Ω |
| Inner Amplification Factor (μ_{g1-g2}) ... | 18 |

OPERATION AS RESISTANCE COUPLED A.F. AMPLIFIER

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

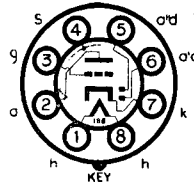
INTER-ELECTRODE CAPACITANCES

| | |
|---|----------------|
| 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 k Ω |