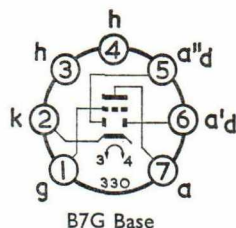


DOUBLE DIODE A.F. TRIODE



Heater Voltage
Heater Current

V_h 6.3 V
 I_h 0.3 A

RATINGS

Maximum Triode Anode Voltage
Maximum Diode Anode Current

$V_{a(max)}$ 300 V
 $I_{a(d)max}$ 1.0 mA

INTER-ELECTRODE CAPACITANCES*

Grid to Cathode
Anode to Cathode
Grid to Anode
Anode" Diode to Grid

C_{g-k} 2.3 pF
 C_{a-k} 1.1 pF
 C_{g-a} 2.1 pF
 $C_{a''d-g}$ <0.025 pF

* Measured without an external shield.

OPERATING CHARACTERISTICS

Anode Voltage
Grid Voltage
Anode Current
Valve Anode Resistance ($\delta V_a / \delta i_a$)
Mutual Conductance
Amplification Factor

V_a 250 V
 V_g -3.0 V
 I_a 1.0 mA
 r_a 58 k Ω
 g_m 1.2 mA/V
 μ 70

TYPICAL OPERATION—As a resistance coupled amplifier

Anode Supply Voltage
Anode Load Resistor
Grid Resistor
Cathode Bias Resistor
Peak Output Voltage
Stage Gain†
Harmonic Distortion†
† For $V_{out(pk)} = 12$ V.

$V_{a(b)}$ 100 250 250 V
 R_L 500 250 250 k Ω
 R_g 1.0 1.0 1.0 M Ω
 R_k 9.0 3.0 0 k Ω
 $V_{out(pk)}$ 16 43 40 V
33 42 42
D 2.0 1.0 5.0 %

Type EBC90 is a commercial equivalent to the CV452.

