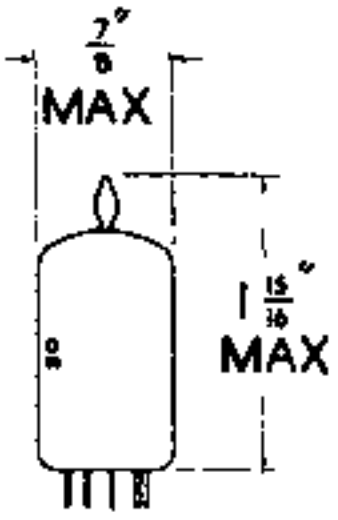
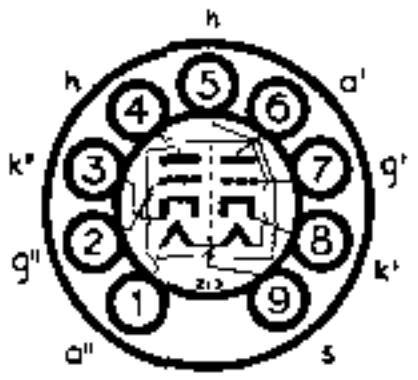
VALVES

BRIMAR



TYPE **E88CC**
LONG LIFE
MINIATURE
DOUBLE TRIODE



The BRIMAR E88CC is a miniature double triode featuring a high mutual conductance and low drift of characteristics over long periods of operation.

RATINGS

Heater Voltage	6.3	volts
Heater Current	0.3	amp.
Max. Anode Voltage (Ia = 0)	400	volts
Max. Anode Voltage (Pa = 1.5 W)	220	volts
Max. Anode Dissipation (each section)	1.5	watts
Max. Total Anode Dissipation	3.0	watts
Max. Grid Dissipation	30	milliwatts
Max. Grid Circuit Resistance	1.0	MΩ
Max. Negative Anode Voltage	100	volts
*Max. Peak Negative Grid Voltage	200	volts
Max. Cathode Current	20	mA
*Max. Peak Cathode Current	100	mA
Max. Heater-Cathode Voltage (k + ve)	120	volts
Max. Heater-Cathode Voltage (k − ve)	60	volts
Max. Bulb Temperature	170	°C

**Max. duty cycle = 10%; max. pulse duration 200μ secs.*

OPERATING CHARACTERISTICS

Vh = 6.3 V, Va(b) = 100 V, Vg = −9 V, Rk = 680 ohms, Ck = 1,000 μF

	Min.	Bogey	Max.	
Anode Current	14.2	15.0	15.8	mA
Mutual Conductance	10.5	12.5	15	mA/V
Amplification Factor		33		
Anode Impedance		2.65		kΩ

COMPUTER OPERATION

Anode Supply Voltage	150	volts
Anode Load Resistor	2.5	kΩ
Grid Supply Voltage	150	volts
Grid Resistor	300	kΩ
*Anode Current	33 ± 5	mA
Grid Voltage for Ia = 100 μA	−7.0 ± 1.5	V
Difference in cut-off voltage (between sections)	<2	volts

** This condition is not suitable for continuous operation as the cathode current rating is exceeded.*

INTER-ELECTRODE CAPACITANCES*

Ca' − g'; Ca'' − g''	1.4 ± 0.2	pF
Ca' − k'; Ca'' − k''	0.18 ± 0.05	pF
Ca' − s; Ca'' − s	1.3 ± 0.2	pF
Cg' − k' + h; Cg'' − k'' + h	3.3 ± 0.6	pF
Ca' − k' + h + s	1.75 ± 0.2	pF
Ca'' − k'' + h + s	1.65 ± 0.2	pF
Ck' − h	2.6	pF
Ck'' − h	2.7	pF

**With external shield*