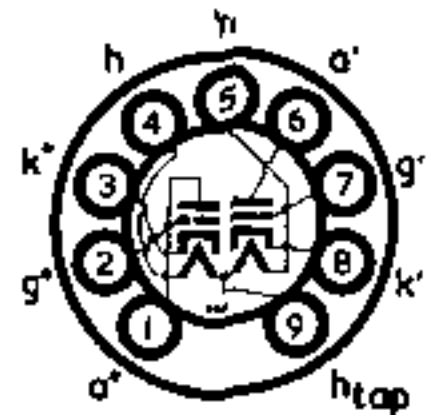


TYPE 6158
TRUSTWORTHY
DOUBLE TRIODE
(Medium Mu)



The BRIMAR type 6158 is an indirectly-heated double triode, having a rigid structure to reduce microphony. It is particularly suitable as a D.C. amplifier due to its stable characteristics.

RATINGS

Heater Voltage	6.3	} or {	12.6	volts
Heater Current	0.6		0.3	amp.
Anode Voltage ($i_a = 0$)	...	...	...	...	...	...	...	500	volts max.
Anode Voltage	...	...	...	...	...	...	...	300	volts max.
Anode Dissipation (each section)	...	...	...	...	...	...	...	5	watts max.
Cathode Current	...	...	...	...	...	...	...	35	mA max.
Negative Grid Voltage	...	...	...	...	...	...	...	75	volts max.
Average Grid Current	...	...	...	...	...	...	...	7	mA max.
Grid Resistor (Fixed Bias)	...	...	...	...	...	...	...	250	k Ω max.
(Auto Bias)	...	...	...	...	...	...	...	1.5	M Ω max.

OPERATING CHARACTERISTICS

$V_a = 250$ V, $V_g = -4.6$ V, $V_h = 12.6$ V (series connection)

	Min.	Bogey	Max.	
Anode Current	3.5	6.0	8.5	mA
Amplification Factor	27	32	37	
Mutual Conductance	1.7	2.35	3.0	mA/V
Anode Impedance	—	14		k Ω

OPERATION AS A PUSH-PULL ZERO BIAS CLASS B AMPLIFIER

Anode Voltage	...	...	...	...	...	...	250	volts
Grid Voltage	...	...	...	...	...	...	0	volts
Anode Current (Zero Signal)	...	...	...	...	...	...	39	mA
Anode Current (Max. Signal)	...	...	...	...	...	...	43.2	mA
Output Load Impedance (Anode-Anode)	...	...	...	...	...	...	20	k Ω
R.M.S. Input Voltage	...	...	...	...	...	...	32	volts
Grid Current	...	...	...	...	...	...	12.8	mA
Total Harmonic Distortion	...	...	...	...	...	...	11.5	%
Power Output	...	...	...	...	...	...	6.7	watts

INTER-ELECTRODE CAPACITANCES*

	Section 1	Section 2	
Input	2.2	2.2	pF
Output	2.0	2.0	pF
Grid to Anode	1.9	1.9	pF
Heater to Cathode	4.9	4.9	pF
Grid 1 to Anode 2	...	0.02	pF
Grid 2 to Anode 1	...	0.035	pF
Anode 1 to Anode 2	...	0.46	pF
Grid 1 to Grid 2	...	0.0035	pF

* With no external shield.

Type 6158 is a commercial equivalent to CV4068.