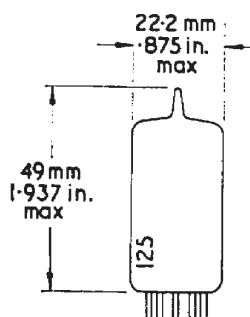
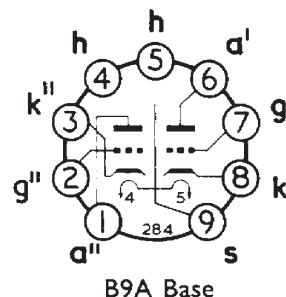


Brimar thermionic products[®] ECC804



BRIMAR THERMIONIC PRODUCTS

GENERAL PURPOSE DOUBLE TRIODE



This general purpose double triode is intended for use in AC or AC/DC Audio amplifiers for phase splitting to feed a further gain stage. The two triodes have identical characteristics

Heater Voltage	V_h	6.3	V
Heater Current	I_h	0.3	A

RATINGS

Maximum Anode Dissipation (either section)	$P_{a(max)}$	2.0*	W
Maximum Total Anode Dissipation	$P_{a(tot)(max)}$	2.5*	W
Maximum Anode Voltage	$V_{a(max)}$	250	V
Maximum Heater to Cathode Voltage (R.M.S.)	$V_{h-k(r.m.s.)(max)}$	150†	V

* The permissible anode dissipation rating is a function of the grid to cathode resistance and circuit employed. For the values quoted, the grid to cathode resistance should not exceed 0.25 MΩ with cathode self bias.

† Measured with respect to the higher potential heater pin.

INTER-ELECTRODE CAPACITANCES

		‡	§	
Grid' to Earth	$C_{g'-E}$	2.5	3.5	pF
Grid'' to Earth	$C_{g''-E}$	2.4	3.5	pF
Anode' to Earth	$C_{a'-E}$	2.1	3.2	pF
Anode'' to Earth	$C_{a''-E}$	2.0	2.9	pF
Anode' to Grid'	$C_{a'-g'}$	2.5	2.8	pF
Anode'' to Grid''	$C_{a''-g''}$	2.5	2.8	pF
Anode' to Anode''	$C_{a'-a''}$	0.038	0.038	pF
Grid' to Grid''	$C_{g'-g''}$	0.006	0.0064	pF
Grid' to Anode''	$C_{g'-a''}$	0.014	0.015	pF
Grid'' to Anode'	$C_{g''-a'}$	0.012	0.012	pF

‡ With holder capacity balanced out.

§ Total capacity including B9A ceramic holder (Carr Fastener holder type 77/076).

"Earth" denotes the electrodes of any second valve section and the remaining earthy potential electrodes of the section under measurement, heater and shields joined to cathode.

CHARACTERISTICS (Each Section)

Anode Voltage	V_a	200	V
Anode Current	I_a	10	mA
Grid Voltage	V_g	- 7.7	V
Mutual Conductance	g_m	3.4	mA/V
Amplification Factor	μ	18	

MOUNTING POSITION—Unrestricted.

NOTE

The potential of the internal shield must not be positive to that of either cathode.

BTP ECC804

BRIMAR
THERMIONIC PRODUCTS