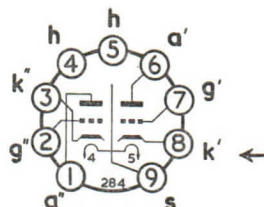


GENERAL PURPOSE TWIN TRIODE



B9A Base

GENERAL

This general purpose twin triode is intended for use in AC or AC/DC television receivers. 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)	$P_a(\text{max})$	2.0*	W
Maximum Total Anode Dissipation	$P_a(\text{tot})\text{max}$	2.5*	W
Maximum Anode Voltage	$V_a(\text{max})$	250	V
Maximum Heater to Cathode Voltage (R.M.S.)	$V_{h-k}(\text{r.m.s.})\text{max}$	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 $0.25M\Omega$ 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

APPROXIMATE WEIGHT

Net	0.5	oz
Packed	0.75	oz

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

Indicates a change →

