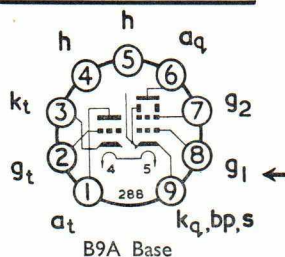


TRIODE BEAM TETRODE



GENERAL

This triode beam tetrode valve combination primarily intended for use in Video and Sync Separator stages of AC/DC television receivers, has a medium mu triode and a high slope beam tetrode with a shield between the two sections to reduce interaction. The triode section is a general purpose one with identical characteristics to the 6/30L2.

Heater Current	I_h	0.3	A
Heater Voltage	V_h	9.4	V

RATINGS

		Triode	Tetrode	
Maximum Anode Dissipation	$P_a(\text{max})$	2	3	W
Maximum Screen Grid Dissipation	$P_{g2}(\text{max})$	—	1	W
Maximum Anode Voltage	$V_a(\text{max})$	250	250	V
Maximum Screen Grid Voltage	$V_{g2}(\text{max})$	—	250	V
Maximum Heater to Cathode Voltage (R.M.S.)	$V_{h-k(\text{r.m.s.})\text{max}}$	150*	150*	V

* Measured with respect to the higher potential heater pin.

INTER-ELECTRODE CAPACITANCES

	$\dagger$	$\S$	$\ddagger$	
Grid 1 to Earth	C_{g1-E}	7.8	8.0	9.1 pF
Anode Tetrode to Earth	C_{aq-E}	2.4	2.7	3.8 pF
Grid 1 to Anode Tetrode	C_{g1-aq}	0.033	0.047	0.075 pF
Grid Triode to Earth	C_{gt-E}	1.85	2.1	2.9 pF
Anode Triode to Earth	C_{at-E}	2.1	2.3	3.0 pF
Grid Triode to Anode Triode	C_{gt-at}	2.3	2.4	2.7 pF
Grid 1 to Anode Triode	C_{g1-at}	0.0065	0.016	0.03 pF
Grid Triode to Anode Tetrode	C_{gt-aq}	0.0073	0.012	0.015 pF
Anode Tetrode to Anode Triode	C_{aq-at}	0.035	0.043	0.046 pF
Grid 1 to Grid Triode	C_{g1-gt}	0.002	0.0055	0.0094 pF

$\dagger$ In fully shielded socket without can.

$\S$ With holder capacitance balanced out (Holder as below).

$\ddagger$ Total capacity including B9A nylon phenolic holder without skirt or radial shield (AEI holder type VH19/902).

"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

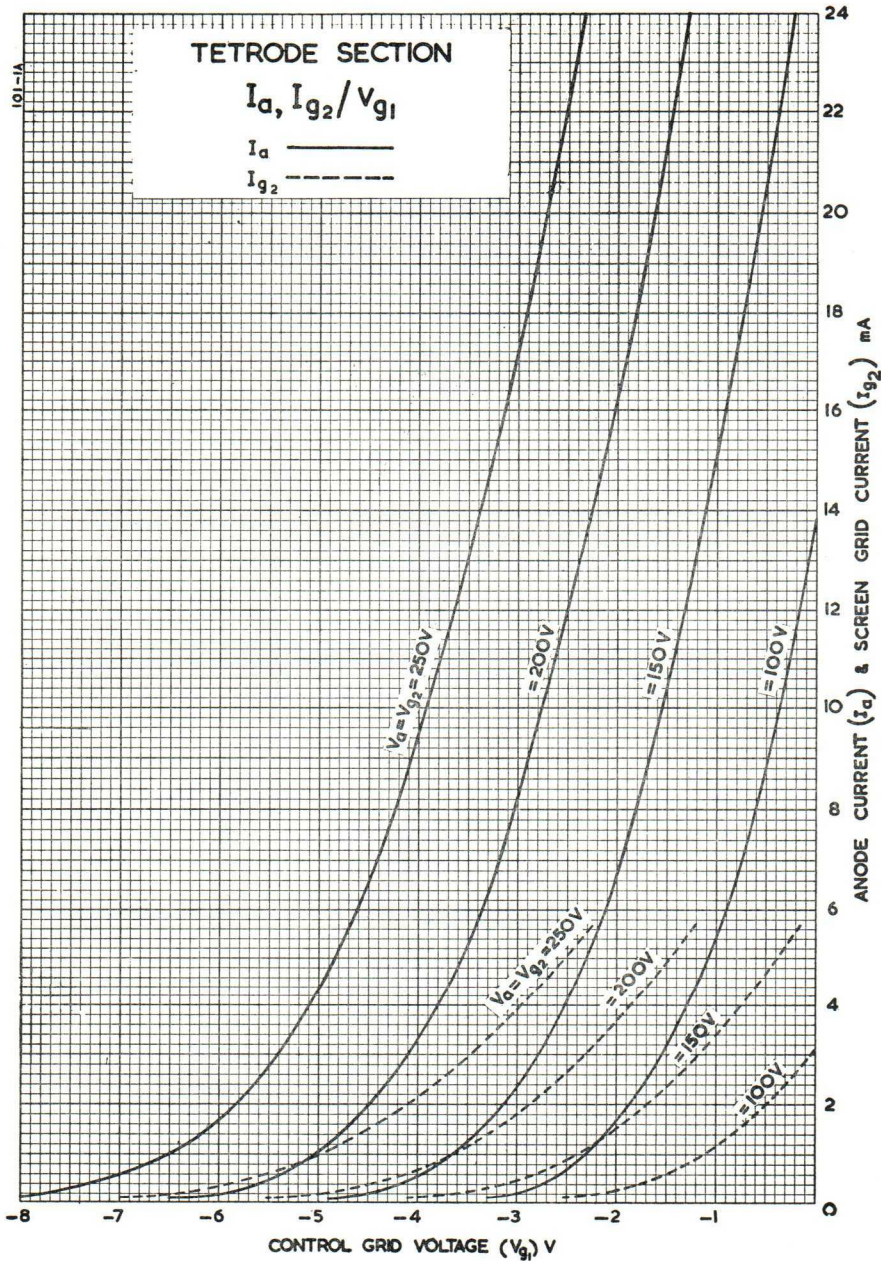
		Triode	Tetrode	
Anode Voltage	V_a	200	170	V
Screen Grid Voltage	V_{g2}	—	170	V
Anode Current	I_a	10	10	mA
Mutual Conductance	g_m	3.4	8	mA/V
Amplification Factor (Tetrode g_1 to g_2)	μ	18	44	

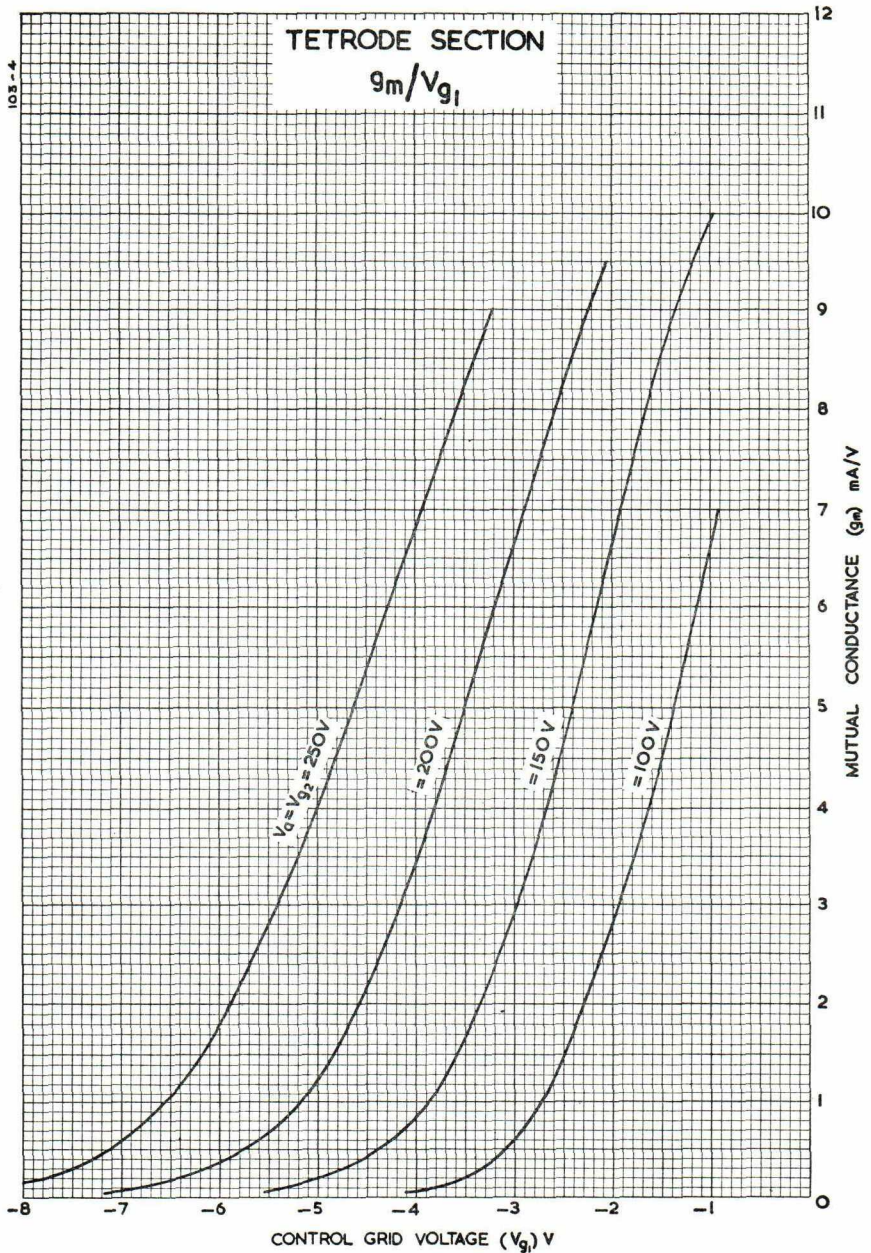
MOUNTING POSITION—Unrestricted.

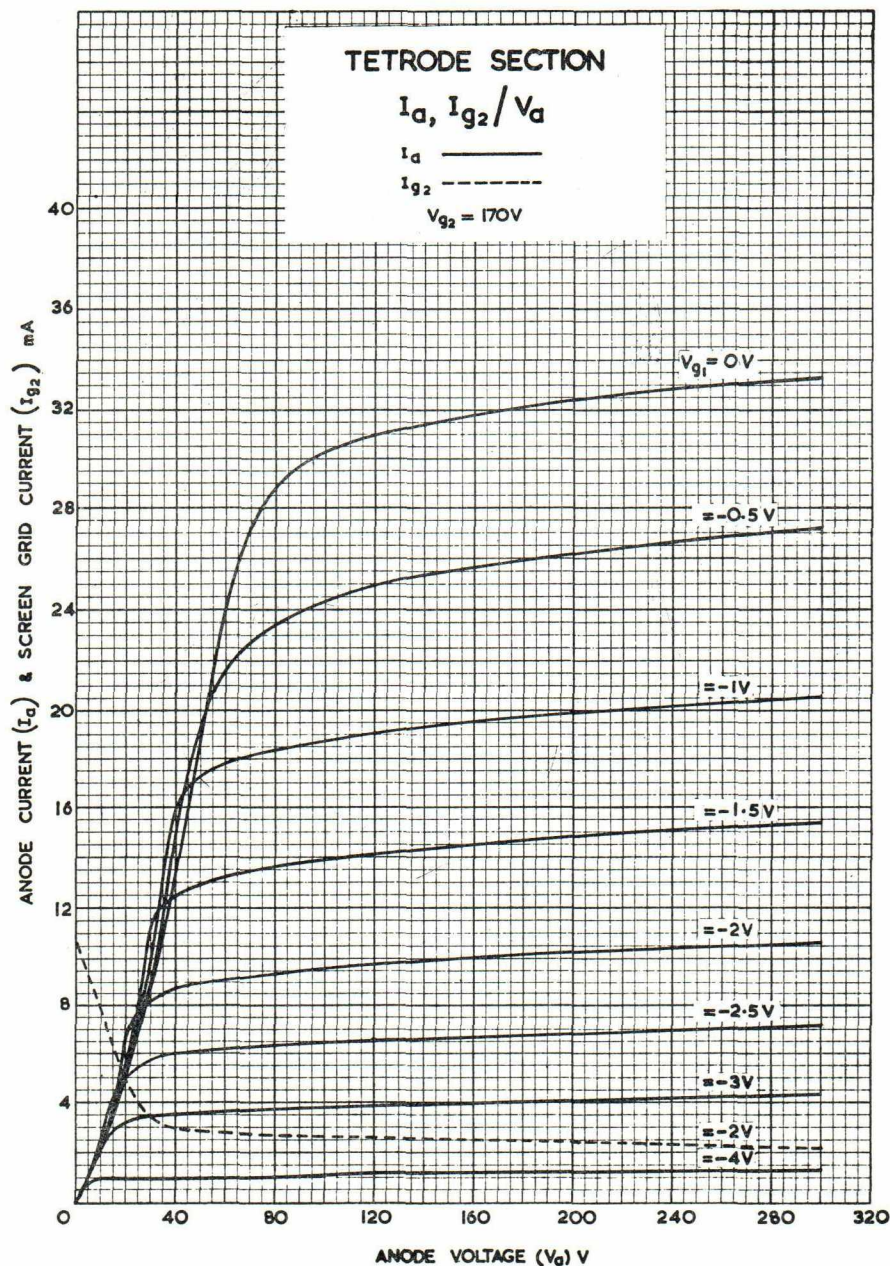
APPROXIMATE WEIGHT

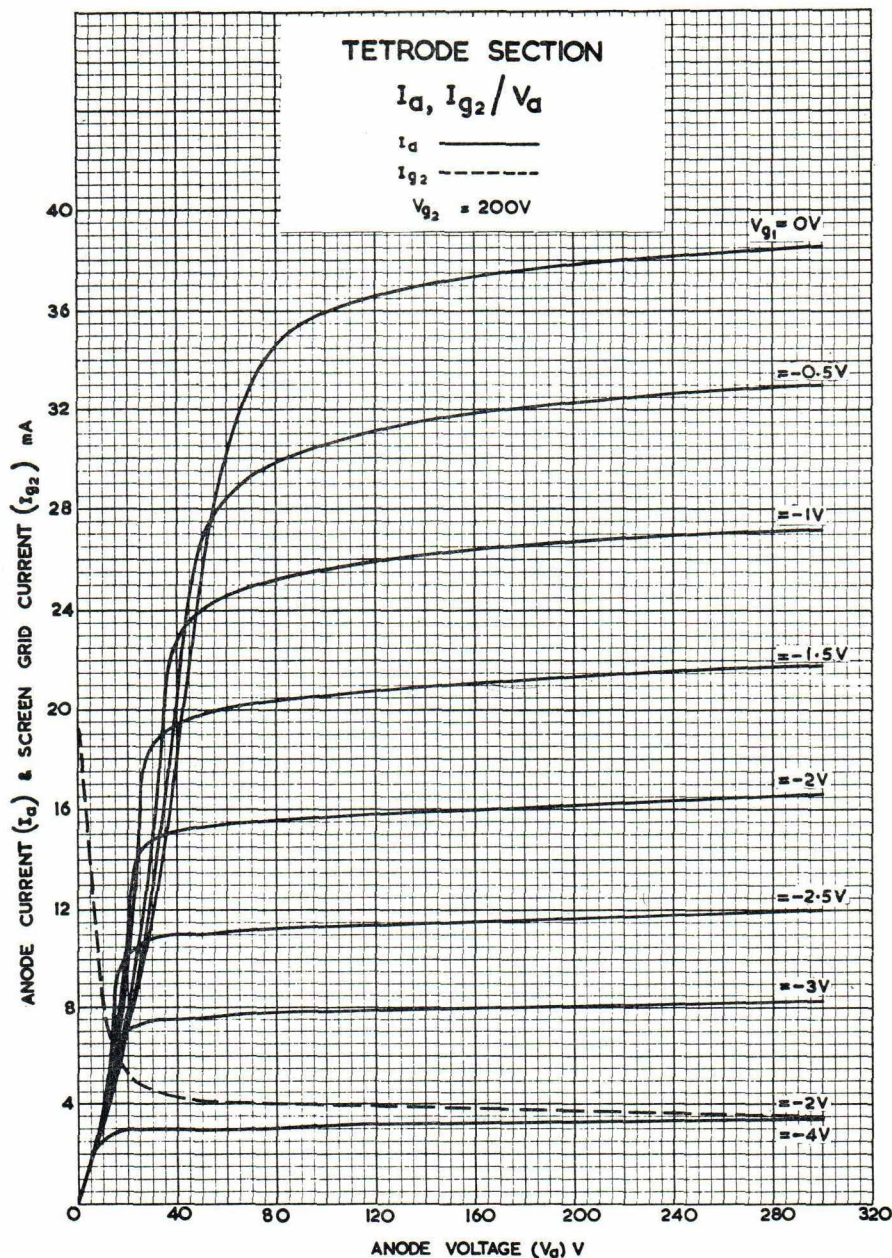
Net	0.5	oz
Packed	0.75	oz

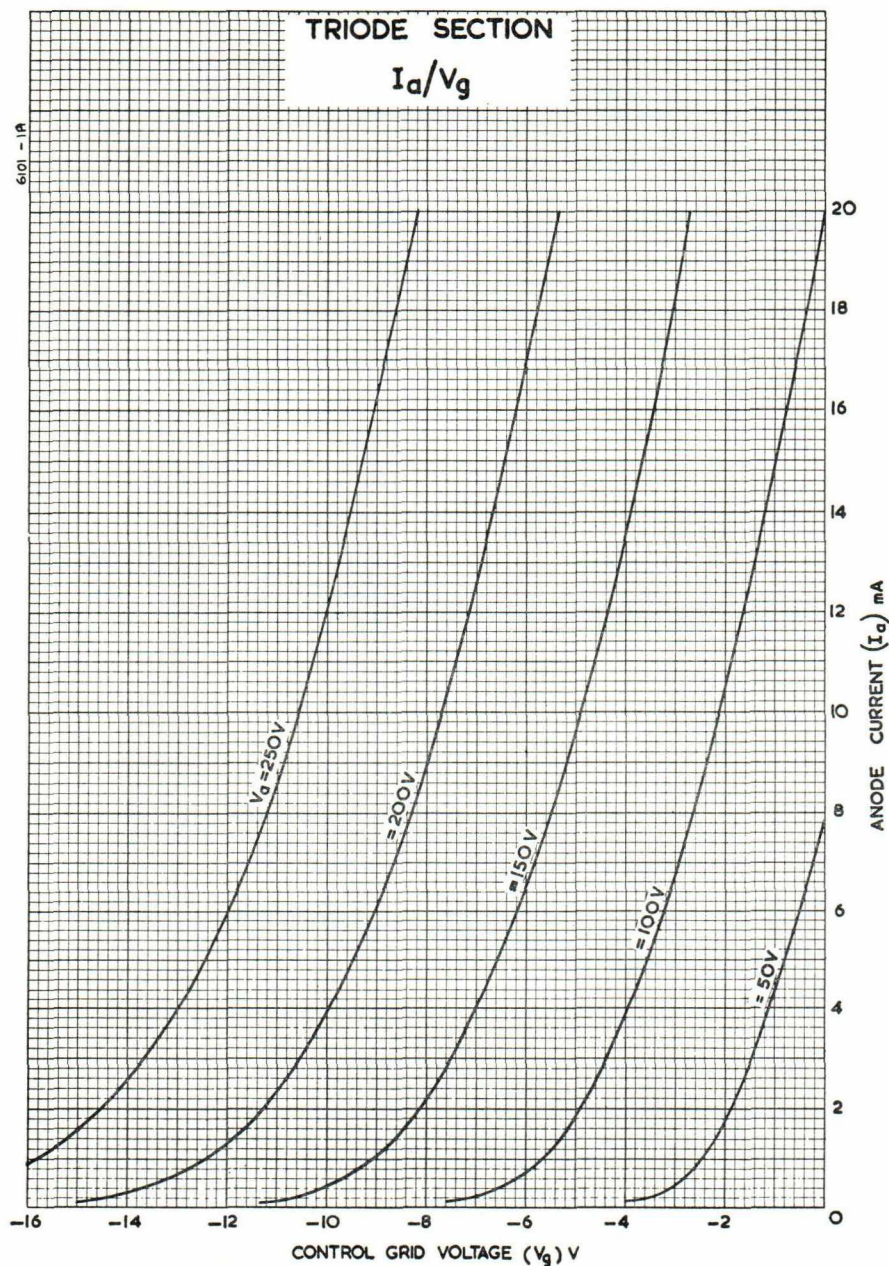
Indicates a change

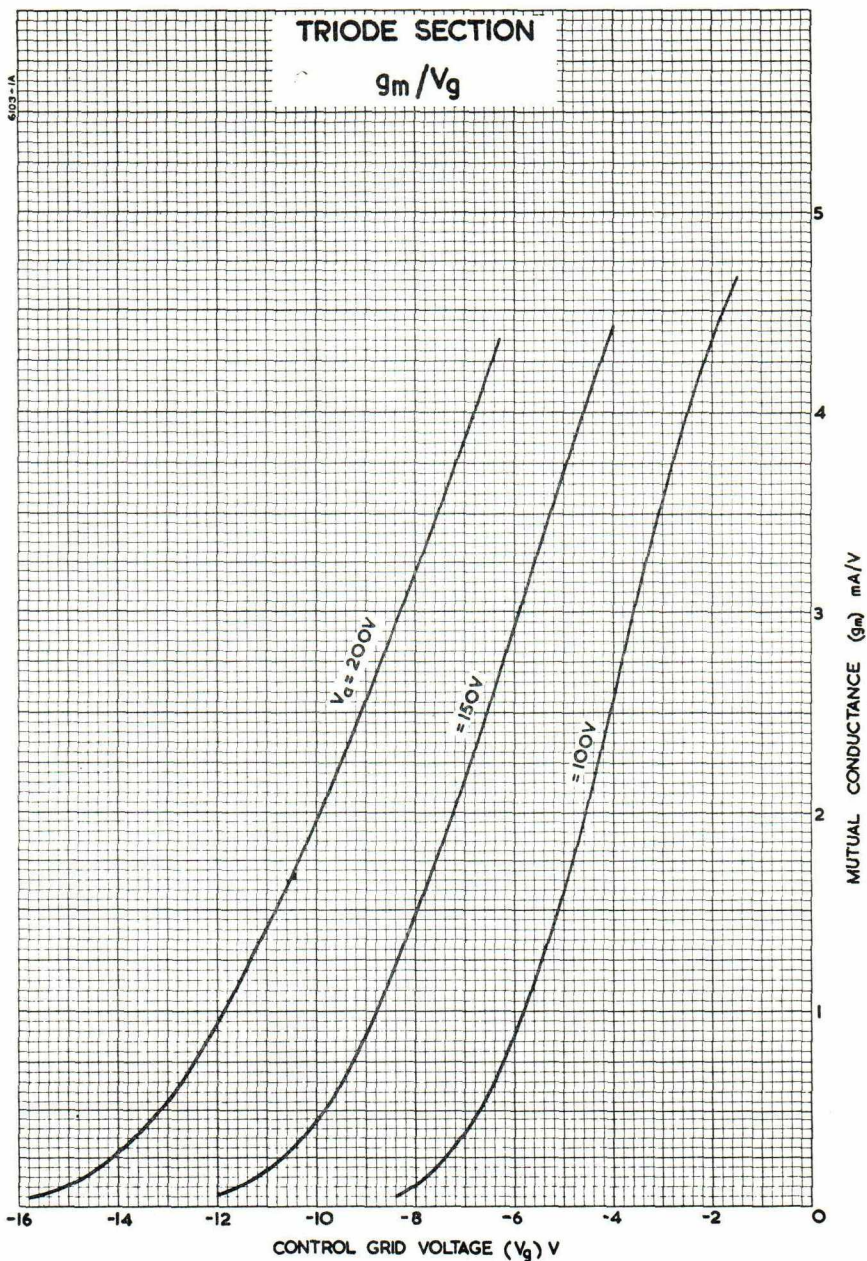












TETRODE SECTION

Used as limiter in a synchronising separator circuit.

