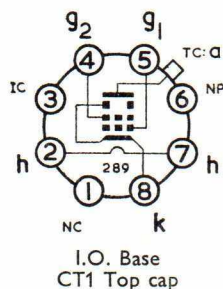


LINE OUTPUT BEAM TETRODE



GENERAL

This valve is an output beam tetrode primarily intended for use in both stabilised and non-stabilised time base output stages of AC/DC, 405/625 line television receivers with series connected heaters.

Heater Current	I_h	0.3	A
Heater Voltage	V_h	25	V

RATINGS

Maximum Anode Dissipation	$P_a(\max)$	See rating chart
Maximum Screen Grid Dissipation	$P_{g2}(\max)$	See rating chart
Maximum Peak Anode Voltage (Pulse positive)	$V_{a(pk)\max}$	7*† kV
Maximum Anode Supply Voltage	$V_{a(b)\max}$	550 V
Maximum Anode Voltage	$V_a(\max)$	250 V
Maximum Peak Screen Grid Voltage (Pulse negative)	$V_{g2(pk)\max}$	2* kV
Maximum Screen Grid Voltage	$V_{g2}(\max)$	250 V
Maximum Heater to Cathode Voltage (R.M.S.)	$V_{h-k(r.m.s.)\max}$	200± V
Maximum Cathode Current	$I_k(\max)$	200 mA
Maximum Grid to Cathode Resistance	$R_{g1-k}(\max)$	3.3** MΩ

* The pulse ratings are for television line scan where the applied voltage pulse does not exceed 22 per cent of one scanning cycle or 18 μ s duration.

** For television line scan applications.

† 7 kV is a design centre rating, the absolute rating of 8.5 kV must not be exceeded.

± Measured with respect to the higher potential heater pin.

INTER-ELECTRODE CAPACITANCES

	$\S$	ϕ	$\parallel$	
Grid 1 to Earth	C_{in}	18	18.5	20 pF
Anode to Earth	C_{out}	11	12	12 pF
Anode to Grid 1	C_{a-g1}	0.25	0.3	0.3 pF

$\S$ In fully shielded socket without can.

ϕ With holder capacitance balanced out. (Holder as below.)

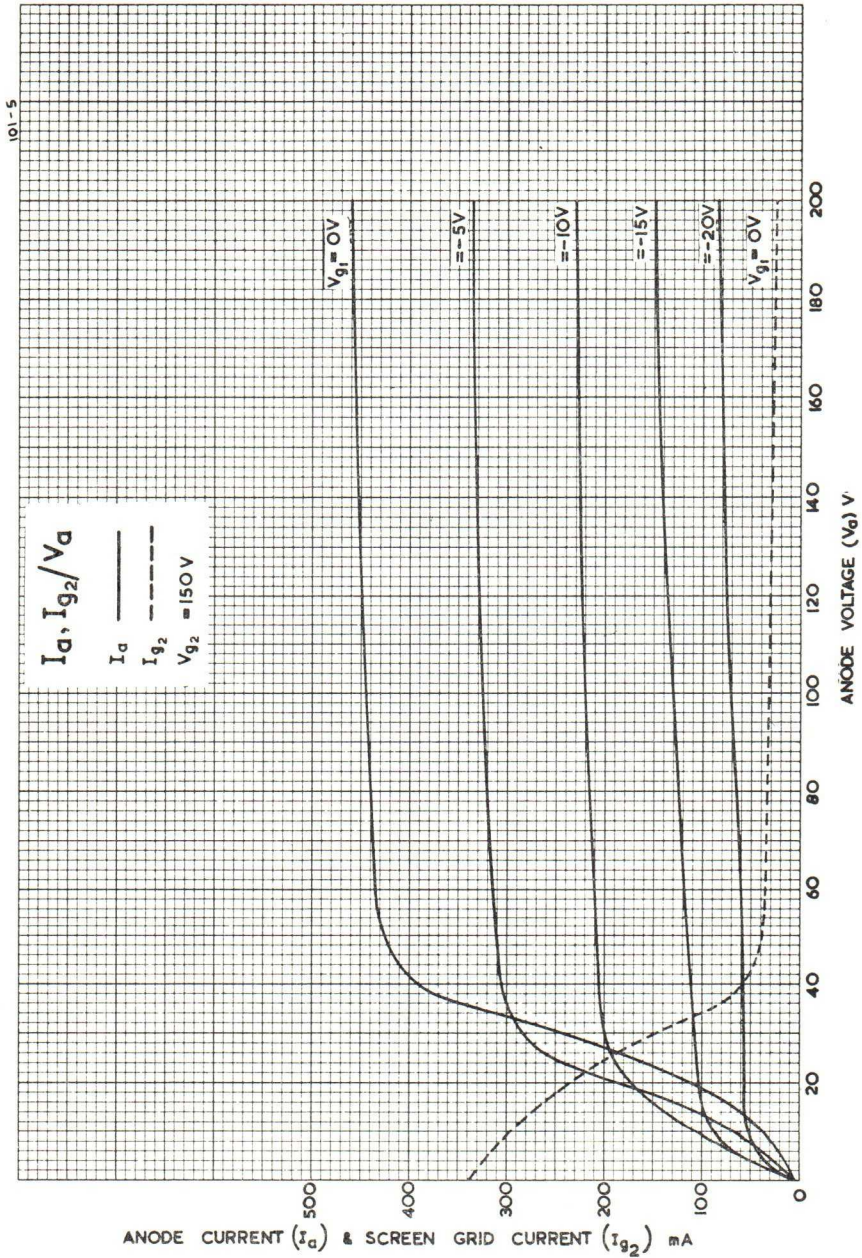
$\parallel$ Total capacitance including McMurdo amphenol international octal holder type B8/U. "Earth" denotes the remaining earthy potential electrodes, heater and shields joined to cathode.

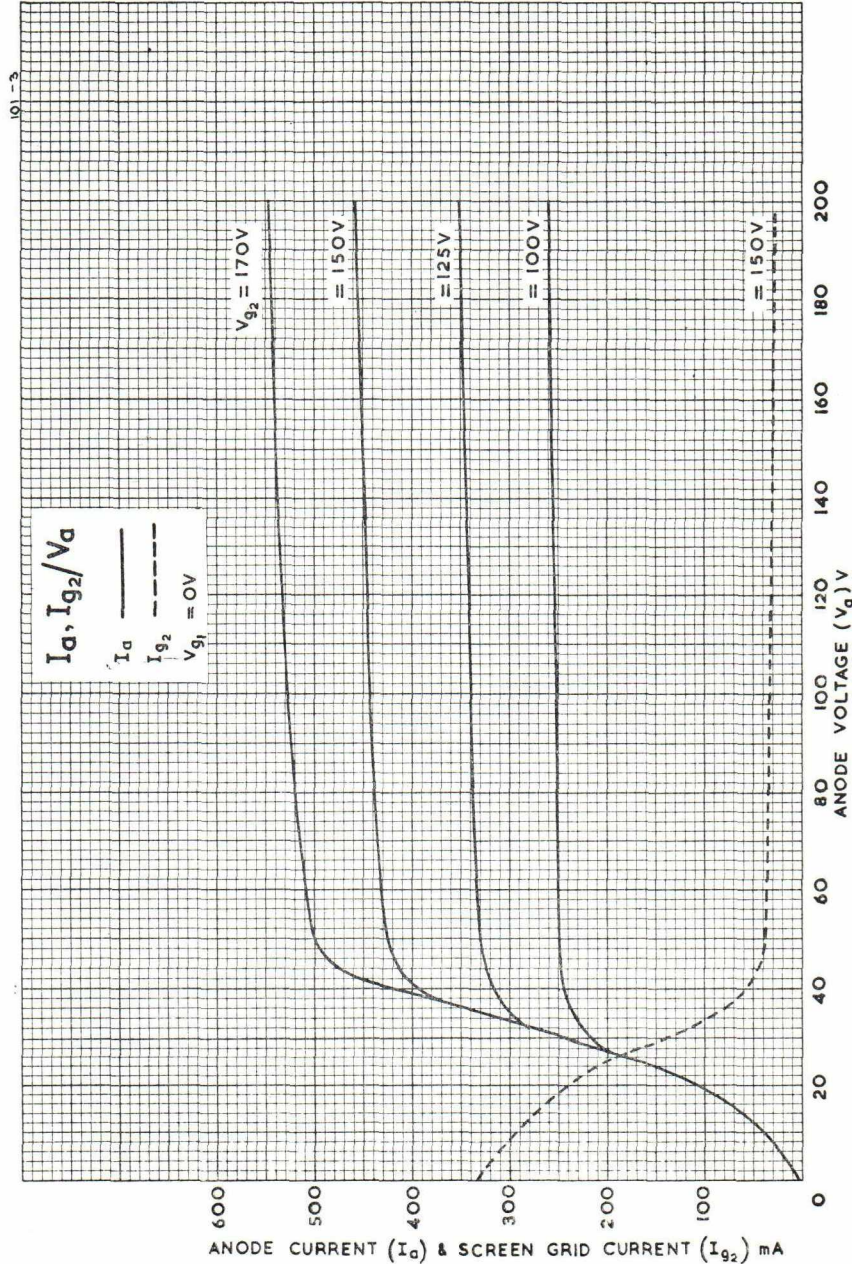
MOUNTING POSITION—Unrestricted

If mounted horizontally it is recommended that pins 4 and 8 should be in a vertical plane.

APPROXIMATE WEIGHT

Net	1.5	oz
Packed	4	oz





30P19
PL302

VALVES

MAZDA

