

SPECIAL VALVES

Beam Tetrode

Code: 5B/104D

This valve is suitable for low voltage instrumentation.

CATHODE

Indirectly-heated, oxide coated
Heater voltage
Heater current, nominal

24 V
0.2 A

CHARACTERISTICS

Mutual conductance
Screen grid amplification factor $\left\{ \begin{array}{l} \text{At } V_a = V_{g2} = 24\text{V} \\ I_a = 3\text{mA} \end{array} \right\}$

3 mA/V
4.5

DIRECT INTERELECTRODE CAPACITANCES

Input
Output
Control grid to anode

15 pF
10 pF
0.8 pF

MECHANICAL DATA

Dimensions As shown in outline drawing
Base 10-7

MAXIMUM RATINGS AND TYPICAL OPERATING CONDITIONS

Maximum Ratings

Maximum direct anode voltage	200	V
Maximum direct anode current	50	mA
Maximum anode dissipation	10	W
Maximum direct screen voltage	110	V
Maximum screen dissipation	0.8	W

Typical Low-Voltage Application—Class A Amplifier

Direct anode voltage	24	V
Direct screen voltage	24	V
Grid bias	-2	V
Direct anode current	3	mA

November 1965

5B/104D—1

Standard Telephones and Cables Limited

Valve Division, Brixham Road, Paignton, Devon

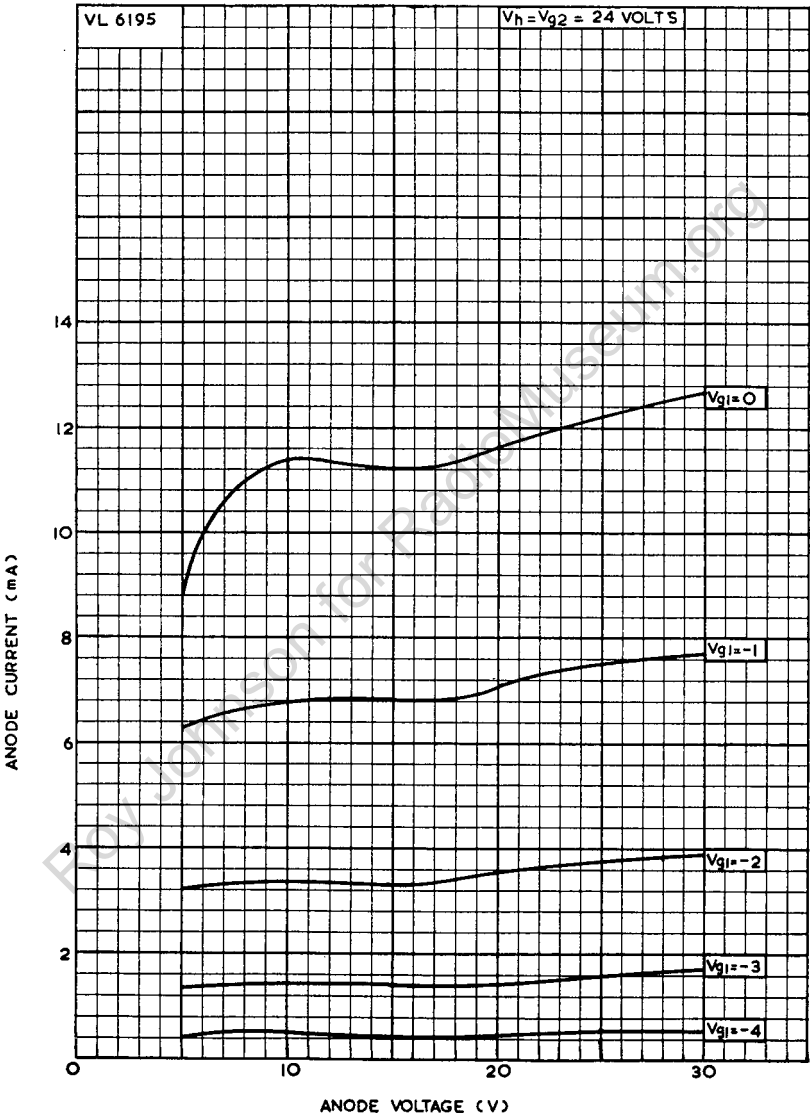
Telephone: Paignton 58685 Telex: 4230

London Sales Office, Telephone: Footscray 3333 Telex: 21836

C O M P O N E N T S G R O U P

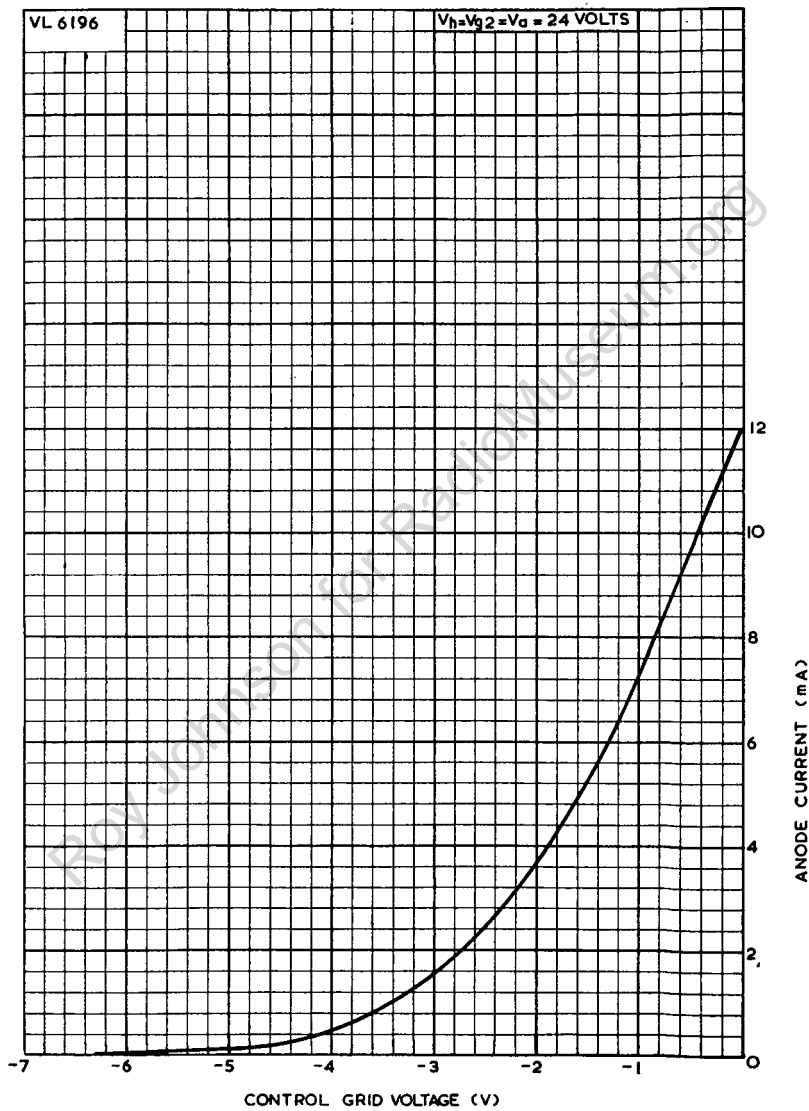
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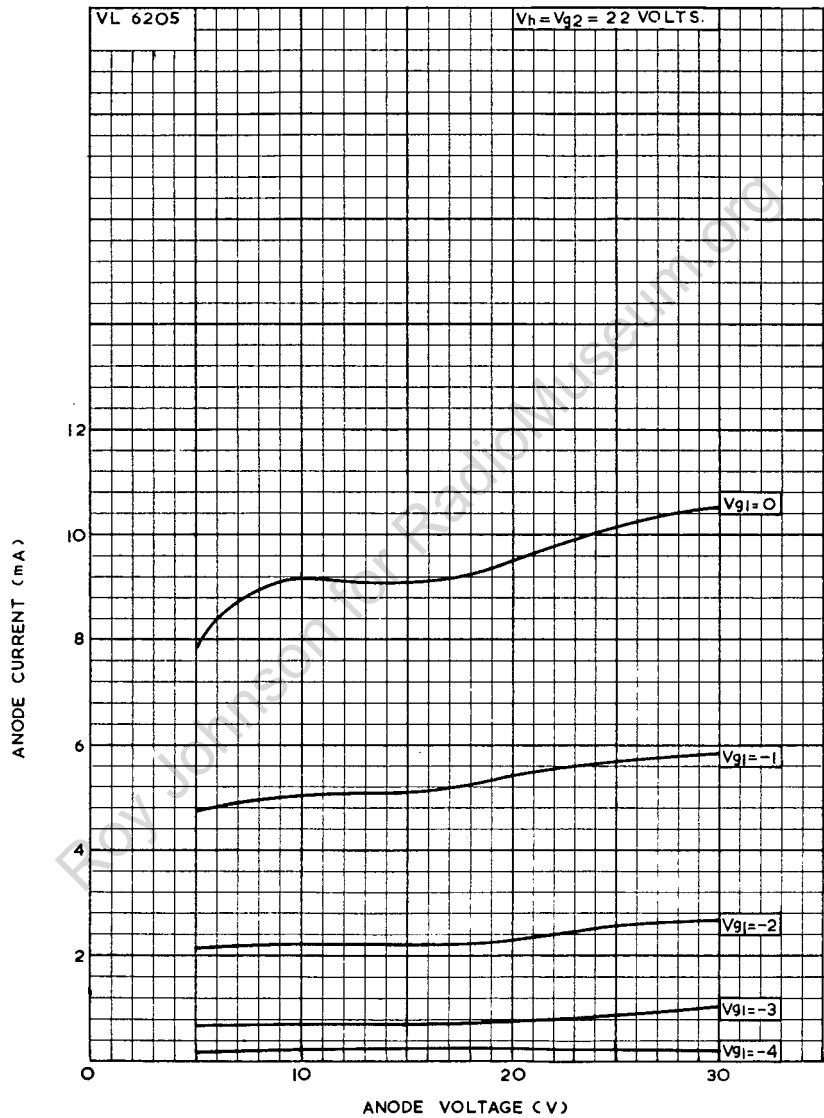
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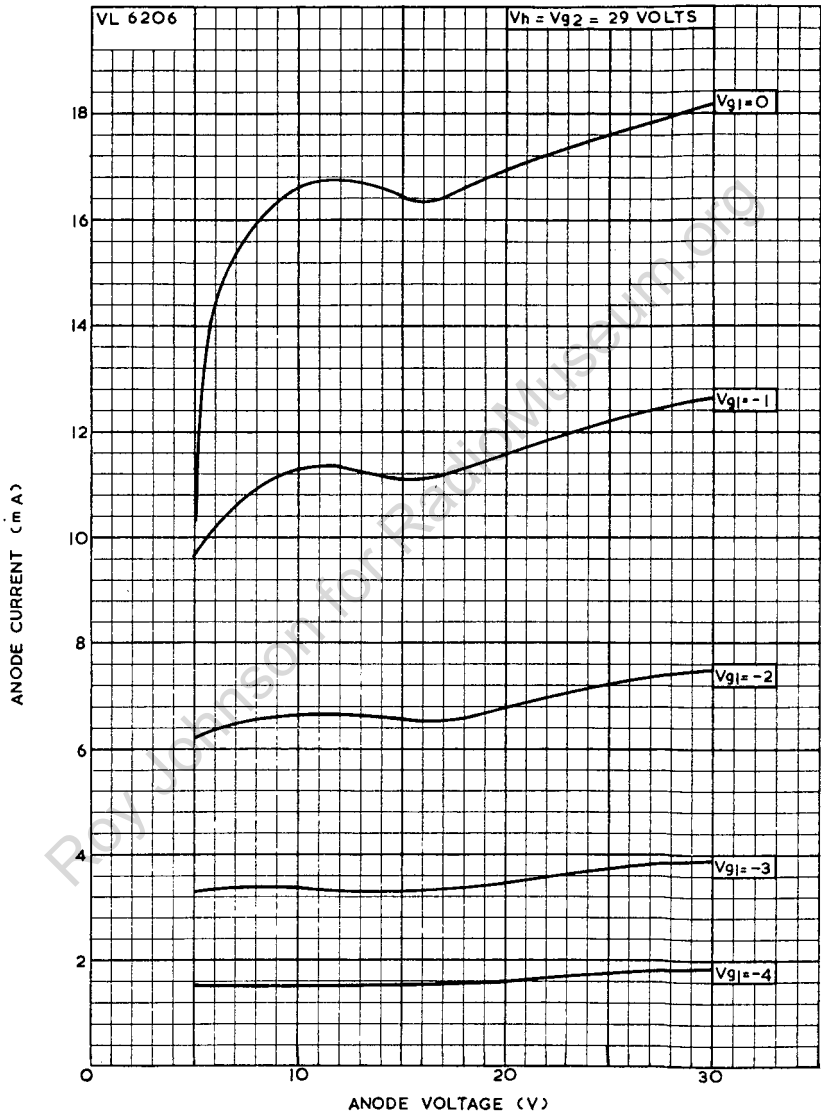
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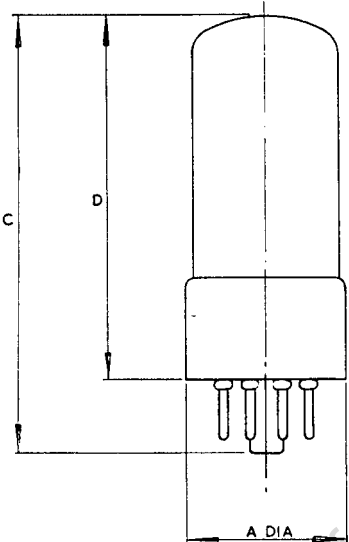
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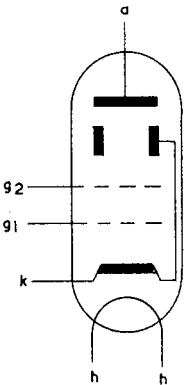
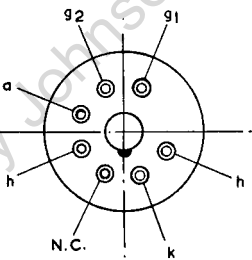
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5B/104D Outline



DIM	INCHES	MILLIMETRES
A	1 ⁵ / ₁₆ MAX.	33,3 MAX.
C	3 ⁷ / ₁₆ MAX.	87,3 MAX.
D	2 ⁷ / ₈ MAX.	73,0 MAX.

BASIC DIMENSIONS ARE INCHES.



INTERMEDIATE OCTAL BASE