

R.F. PENTODE

6CB6

High slope pentode primarily intended for use as r.f. or i.f. amplifier.

HEATER

Suitable for series or parallel operation

V_h	6.3	V
I_h	300	mA

MOUNTING POSITION

Any

CAPACITANCES

	Shielded	Unshielded	
C_{in}	6.5	6.5	pF
C_{out}	3.0	1.9	pF
C_{a-g1}	<0.01	<0.02	pF

CHARACTERISTICS

V_a	200	V
V_{g3}	0	V
V_{g2}	150	V
V_{g1}	-2.2	V
I_a	9.5	mA
I_{g2}	2.8	mA
r_a	600	k Ω
g_m	8.0	mA/V $\leftarrow$
$V_{g1}(I_a = 10\mu A)$	-8.0	V

LIMITING VALUES

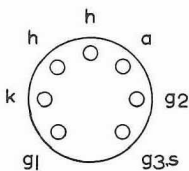
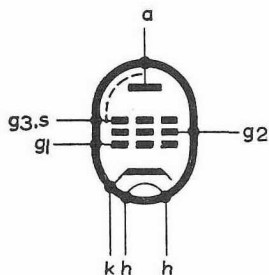
$V_{a(b)} \text{ max.}$	550	V
$V_a \text{ max.}$	300	V
$p_a \text{ max.}$	2.0	W
$V_{g2(b)} \text{ max.}$	300	V
$V_{g2} \text{ max.}$	150	V
$p_{g2} \text{ max.}$	500	mW
$V_{h-k} \text{ max.}$	100	V
$V_{h-k(pk)} \text{ max.}$	200	V

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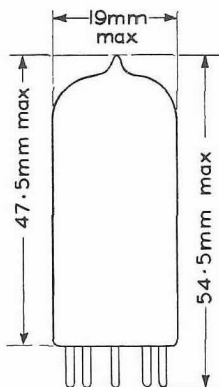
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4694



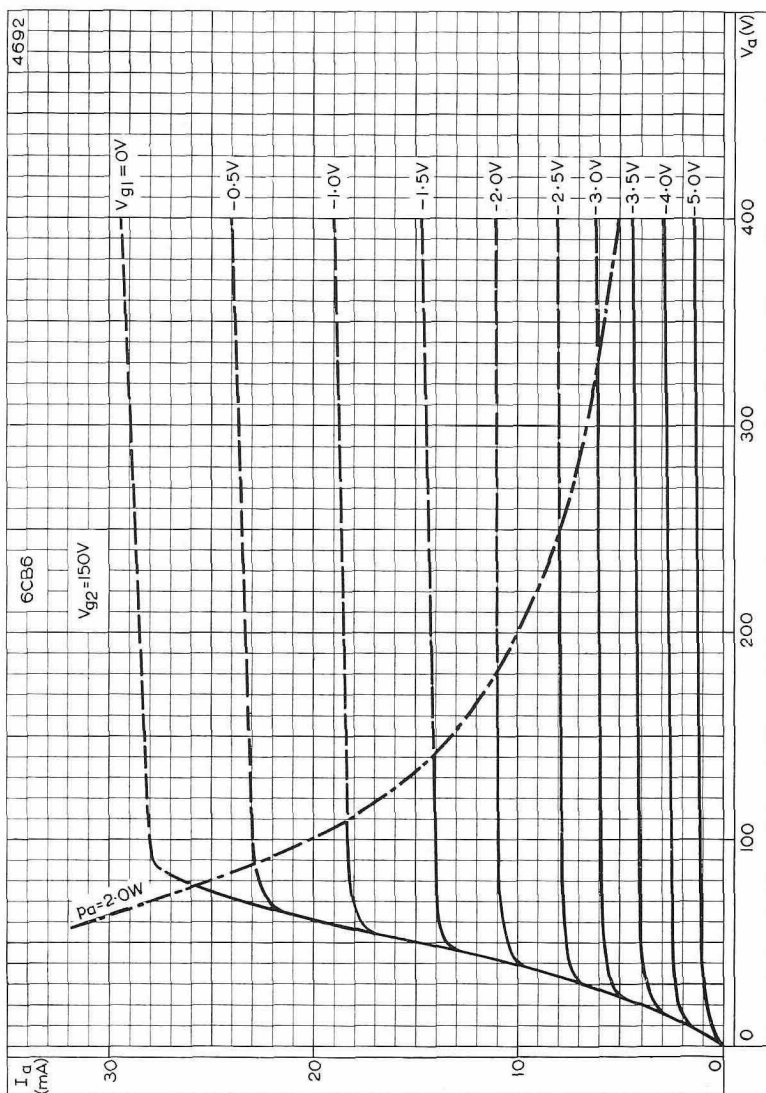
B7G Base



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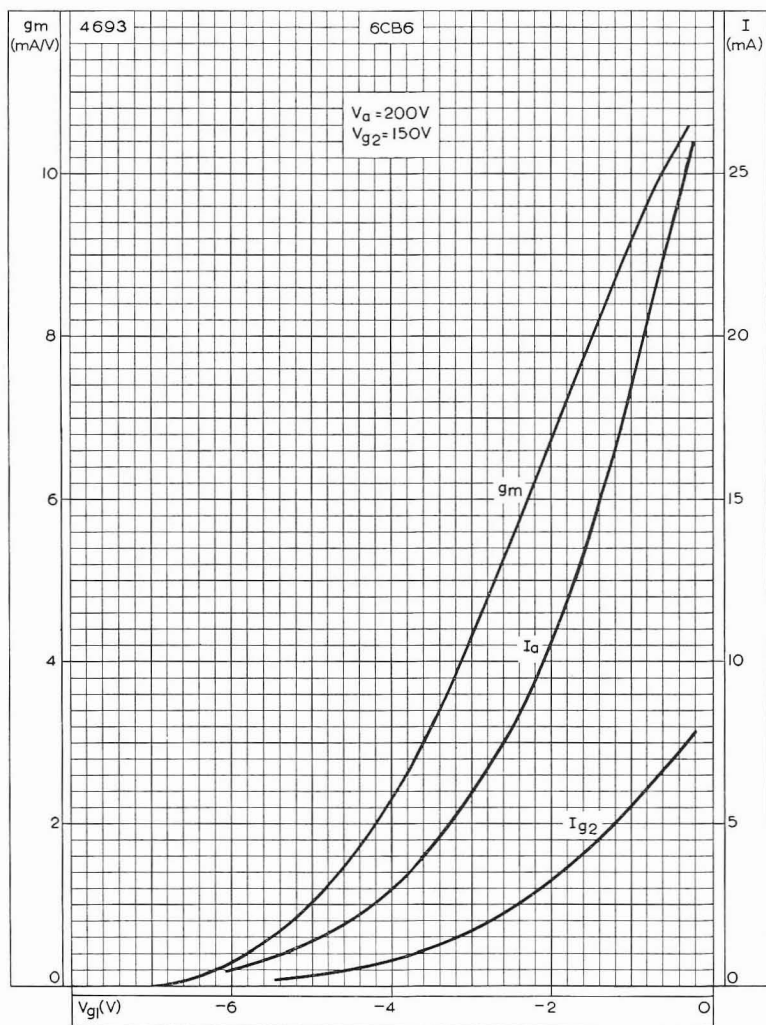


ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE WITH CONTROL-GRID VOLTAGE AS PARAMETER

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ANODE CURRENT, SCREEN-GRID CURRENT AND MUTUAL CONDUCTANCE PLOTTED AGAINST CONTROL-GRID VOLTAGE