R.F. PENTODE

Short-grid base pentode primarily intended for use as r.f. amplifier.

6AU6

HEATER

Suitable for series or parallel operation

V_h	6.3	V
I_h	300	mA

MOUNTING POSITION

Any

CAPACITANCES

Pentode connected	*Shielded*	*Unshielded*	
c_{in}	5.5	5.5	pF
c_{out}	5.0	5.0	pF
c_{a-g1}	<0.003	<0.003	pF
Triode connected			
c_{in}	3.2	3.2	pF
c_{out}	8.5	1.2	pF
c_{a-g1}	2.6	2.6	pF

CHARACTERISTICS

Pentode connected

V_a	100	250	250	V
V_{g3}	0	0	0	V
V_{g2}	100	125	150	V
V_{g1}	–1.0	–1.0	–1.0	V
I_a	5.0	7.6	10.6	mA
I_{g2}	2.1	3.0	4.3	mA
g_m	3.9	4.5	5.2	mA/V
r_a	0.5	1.5	1.0	MΩ
$V_{g1}(I_a = 10\mu A)$	–4.2	–5.5	–6.5	V

Triode connected (g_2 and g_3 connected to a)

V_a	250	V
V_{g1}	–4.0	V
I_a	12.2	mA
g_m	4.8	mA/V
r_a	7.5	kΩ
μ	36	

6AU6

R.F. PENTODE

Short-grid base pentode primarily intended for use as r.f. amplifier.

LIMITING VALUES

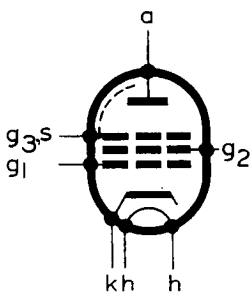
Pentode connected

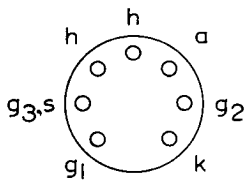
$V_{a(b)}$ max.	550	V
V_a max.	300	V
p_a max.	3.0	W
$V_{g2(b)}$ max.	300	V
V_{g2} max.	150	V
p_{g2} max.	650	mW
$+V_{g1}$ max.	0	V
$-V_{g1}$ max.	50	V
V_{h-k} max.	100	V

Triode connected

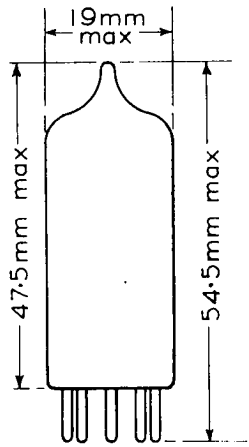
$V_{a(b)}$ max.	550	V
V_a max.	250	V
p_a max.	3.2	W
$+V_{g1}$ max.	0	V
$-V_{g1}$ max.	50	V
V_{h-k} max.	100	V

4750





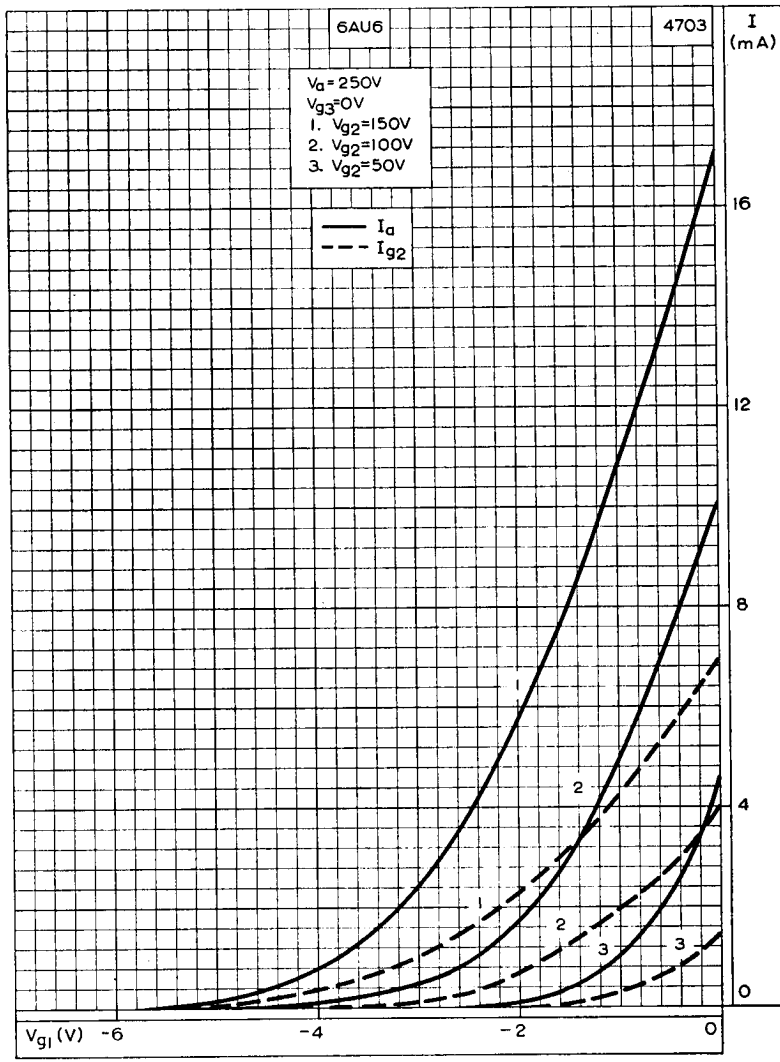
B7G Base



R.F. PENTODE

Short-grid base pentode primarily intended for use as r.f. amplifier.

6AU6

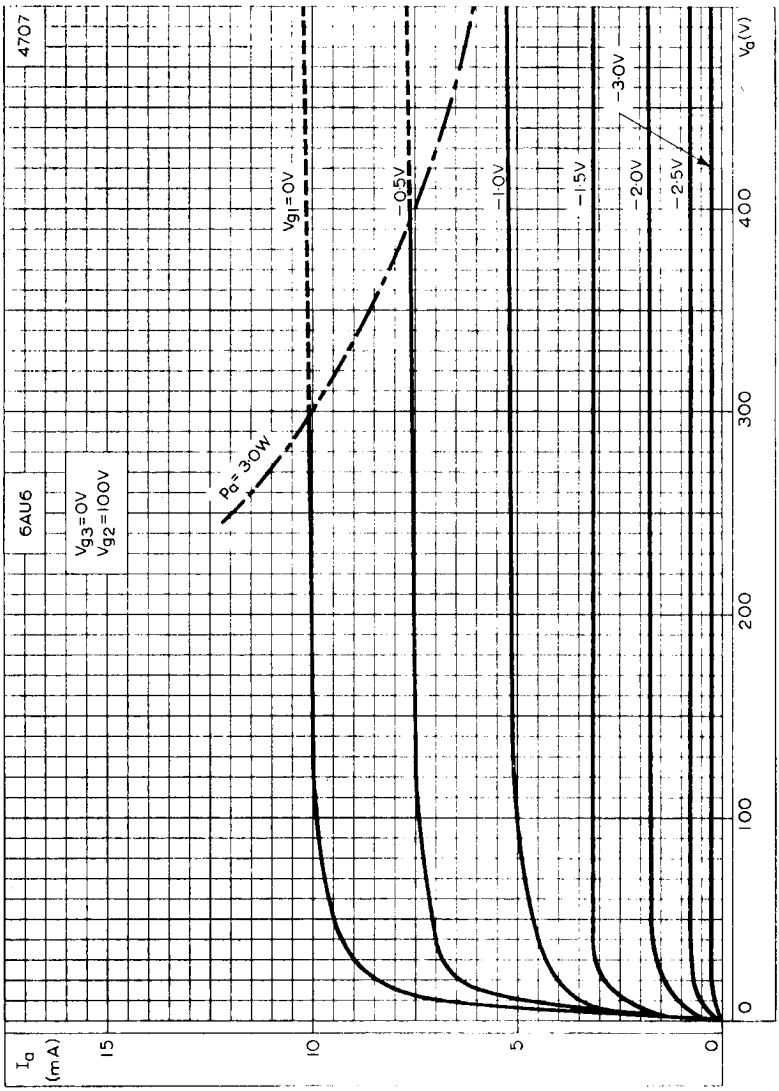


ANODE AND SCREEN-GRID CURRENTS PLOTTED AGAINST CONTROL-GRID VOLTAGE WITH SCREEN-GRID VOLTAGE AS PARAMETER

6AU6

R.F. PENTODE

Short-grid base pentode primarily intended for use as r.f. amplifier.

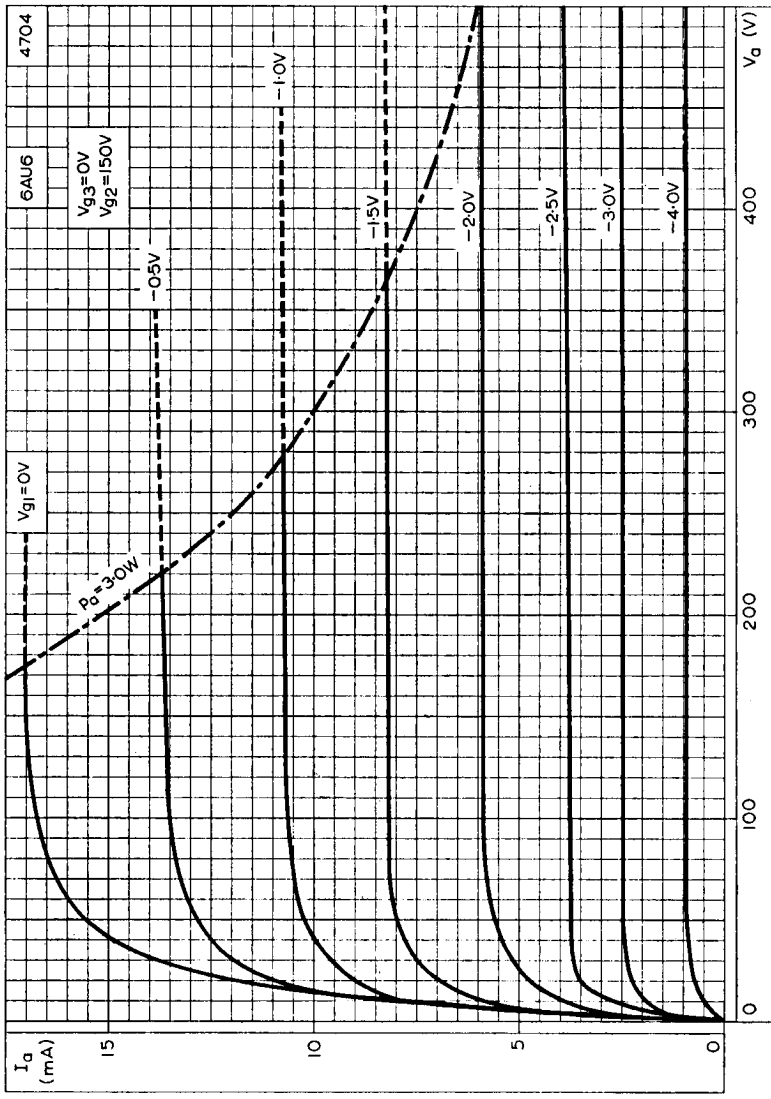


ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE WITH CONTROL-GRID VOLTAGE AS PARAMETER V_{g2} 100V

R.F. PENTODE

Short-grid base pentode primarily intended for use as r.f. amplifier.

6AU6

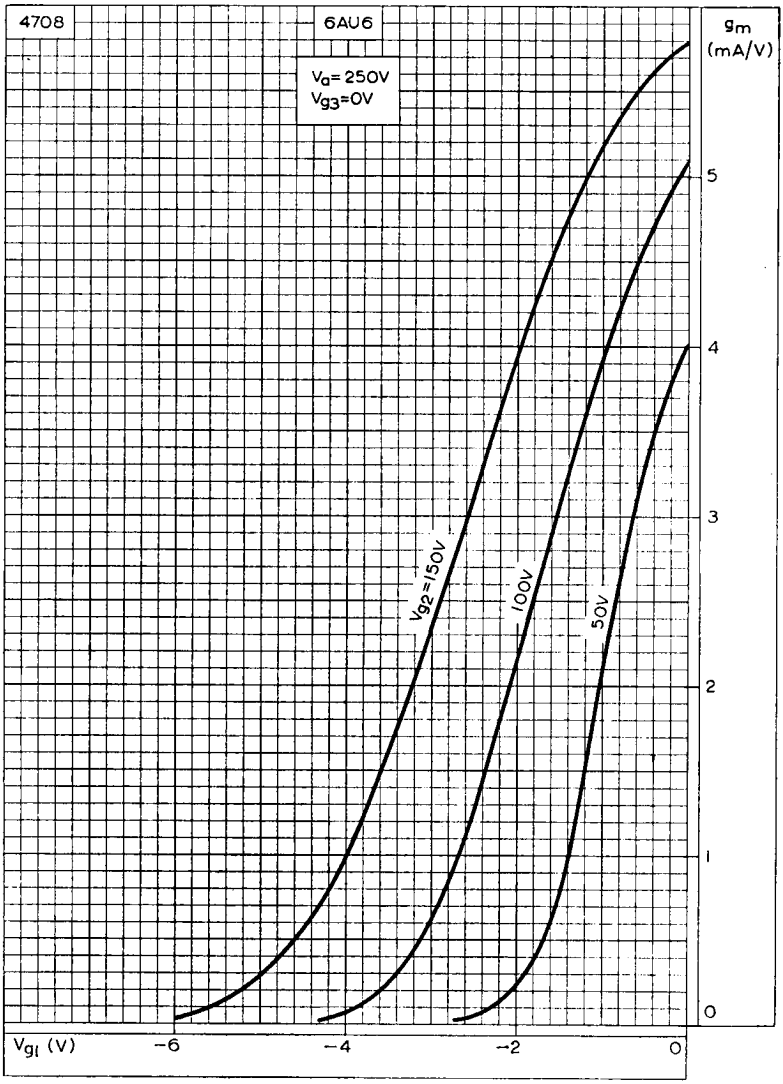


ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE WITH CONTROL-GRID VOLTAGE AS PARAMETER V_{g2} = 150V

6AU6

R.F. PENTODE

Short-grid base pentode primarily intended for use as r.f. amplifier.

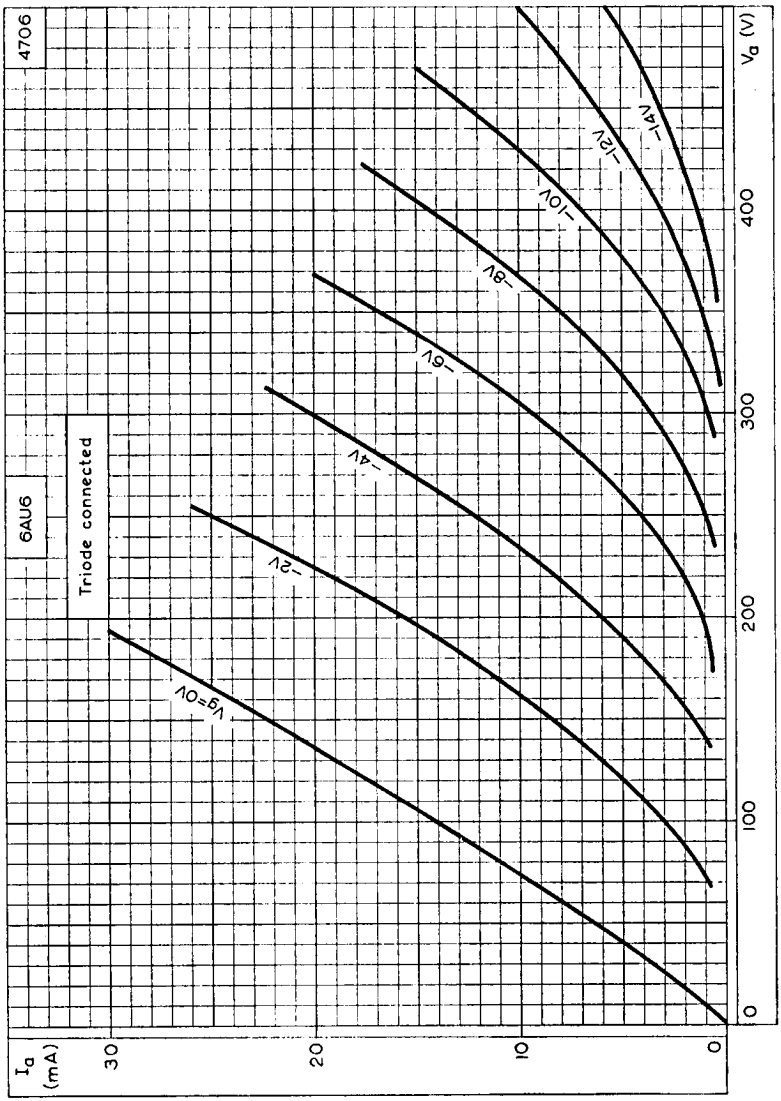


MUTUAL CONDUCTANCE PLOTTED AGAINST CONTROL-GRID VOLTAGE WITH SCREEN-GRID VOLTAGE AS PARAMETER

R.F. PENTODE

Short-grid base pentode primarily intended for use as r.f. amplifier.

6AU6



ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE WITH CONTROL-GRID VOLTAGE AS PARAMETER WHEN TRIODE CONNECTED