

Triode with low anode-to-grid capacitance intended for use as an r.f. amplifier in v.h.f. television receivers.

HEATER

Suitable for series operation a.c. or d.c.

I_h	300	mA
V_h	3.9	V ←

CAPACITANCES (with external shield)

c_{a-g}	350	mpF
$c_{a-k+h+s}$	3.0	pF
$c_{g-k+h+s}$	4.5	pF
c_{a-k}	80	mpF
c_{g-k}	3.3	pF
c_{g-h}	<70	mpF
c_{k-h}	2.3	pF

CHARACTERISTICS

V_a	135	V
I_a	11.5	mA
V_g	-1.0	V
g_m	14.5	mA/V
μ	76	←
r_a	5.25	k Ω ←

OPERATING CONDITIONS

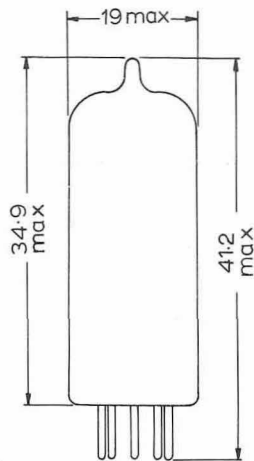
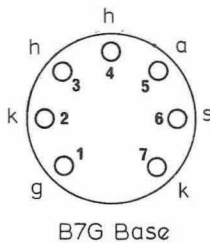
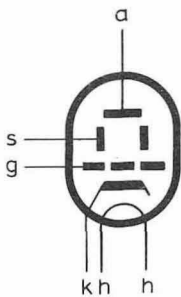
	1	2	3	
V_b	200	200	135	V
R_a	5.6	5.6	1.5	k Ω ←
R_k	0	87	0	Ω ←
I_a	16.5	11.5	16.5	mA ←
I_g	20	0	20	μ A ←
V_g	-0.5	1.0	-0.5	V
g_m	20	14.5	20	mA/V
μ	84	76	84	←
V_g for 10:1 reduction in g_m	-3.2	-3.8	-2.3	V ←
V_g for 100:1 reduction in g_m	-7.7	-8.3	-5.3	V ←

RATINGS (DESIGN CENTRE SYSTEM)

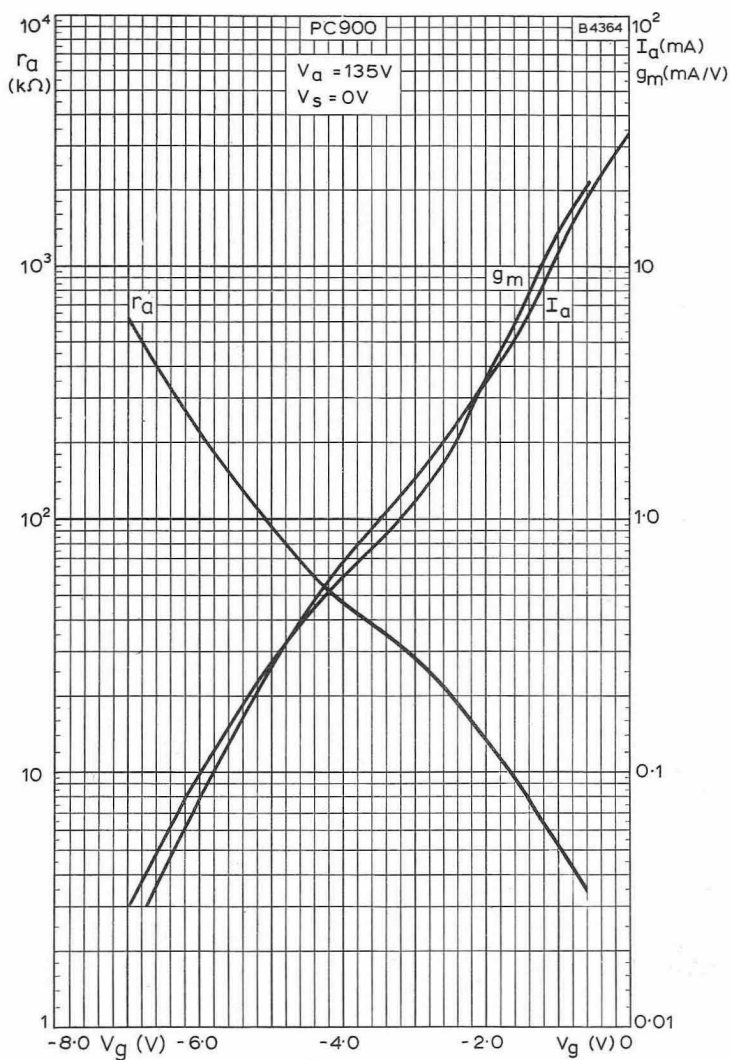
$V_{a(b)}$ max.	550	V
V_a max.	200	V
p_a max.	2.2	W
I_k max.	20	mA
$-V_g$ max.	50	V
R_{g-k} max.	1.0	MΩ
R_{g-k} max. (a.g.c. circuits)	3.0	MΩ
$*V_{h-k}$ max.	100	V

*To fulfil modulation hum requirement, V_{h-k} should not exceed 55V r.m.s. ←

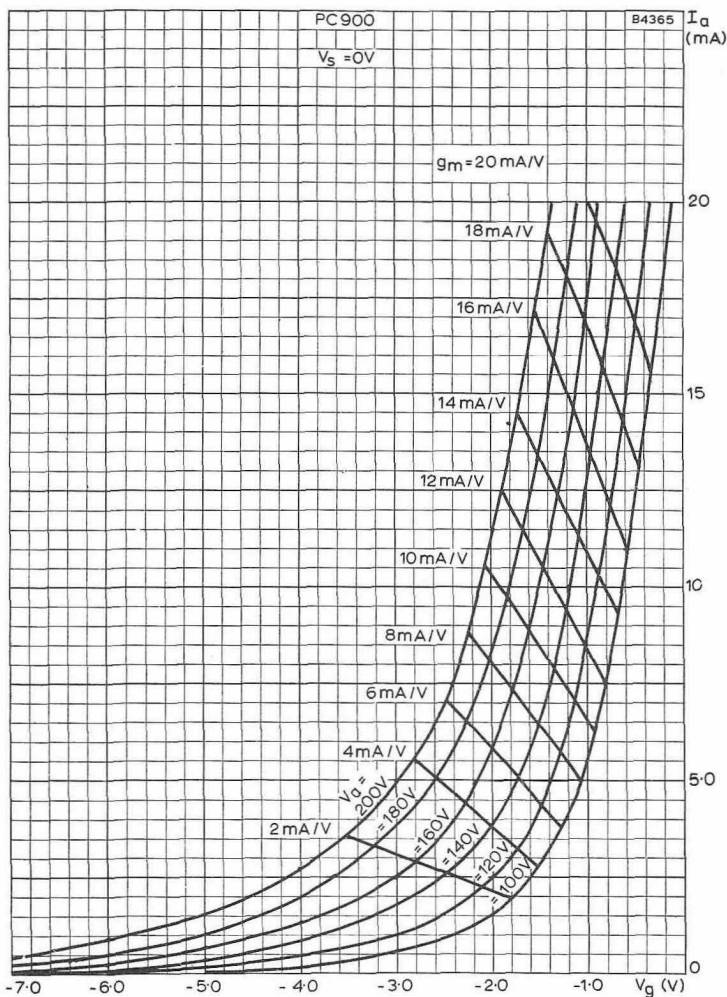
B4370



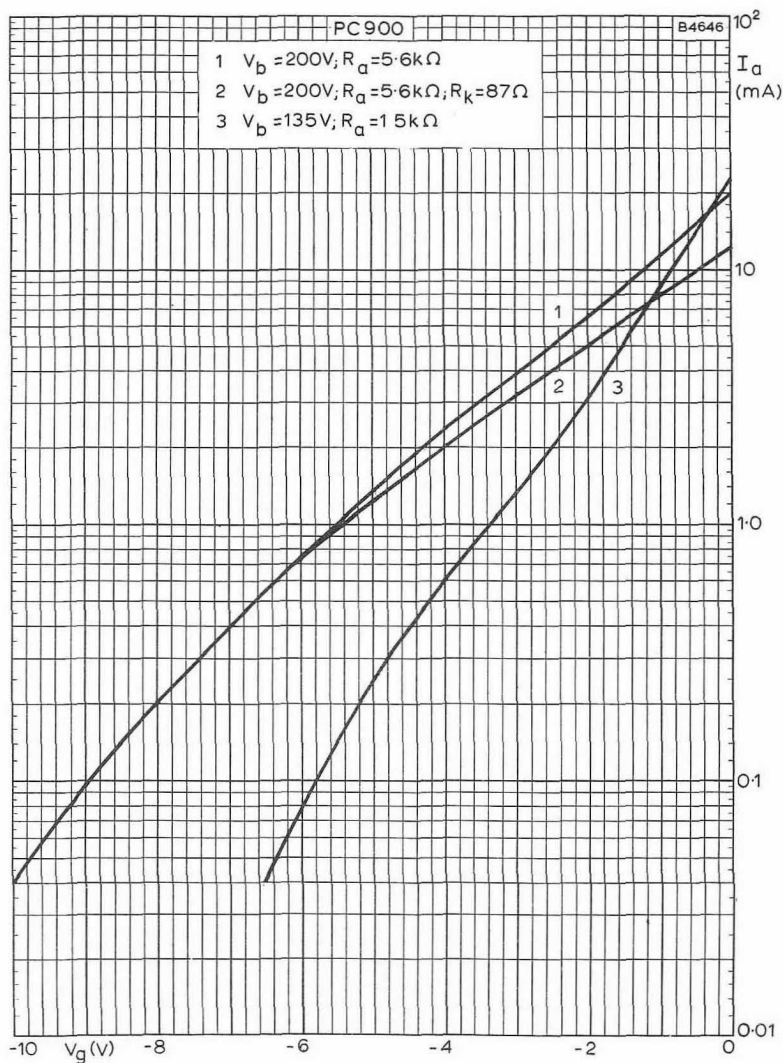
All dimensions in mm



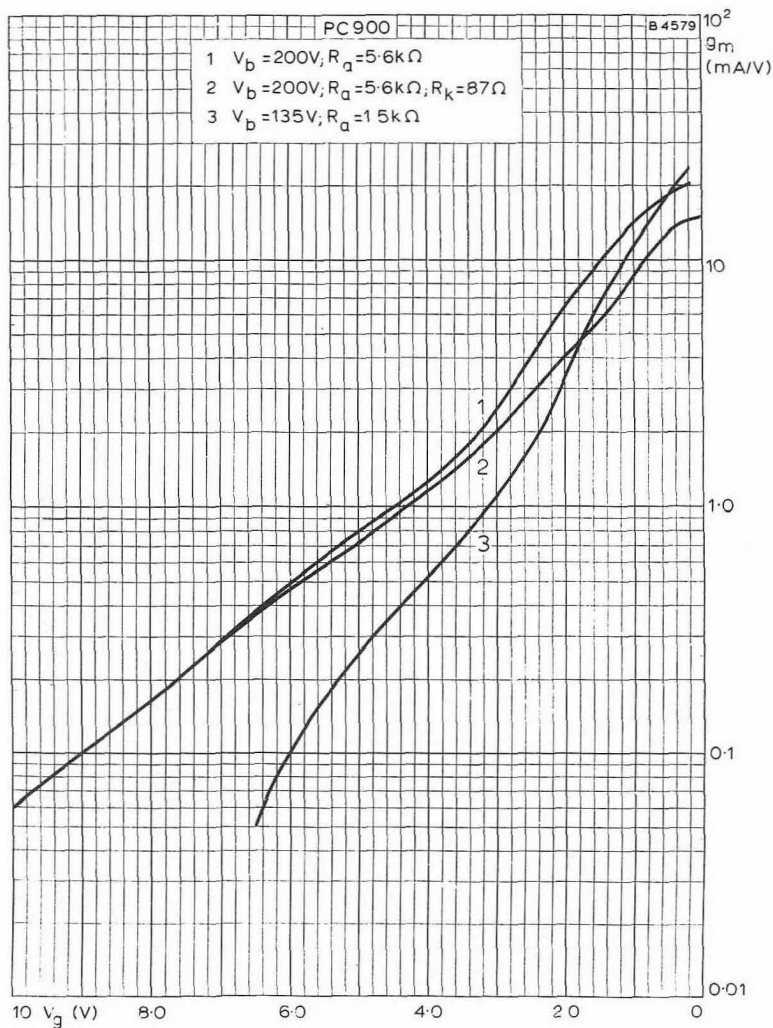
ANODE CURRENT, MUTUAL CONDUCTANCE AND ANODE
 IMPEDANCE PLOTTED AGAINST GRID VOLTAGE



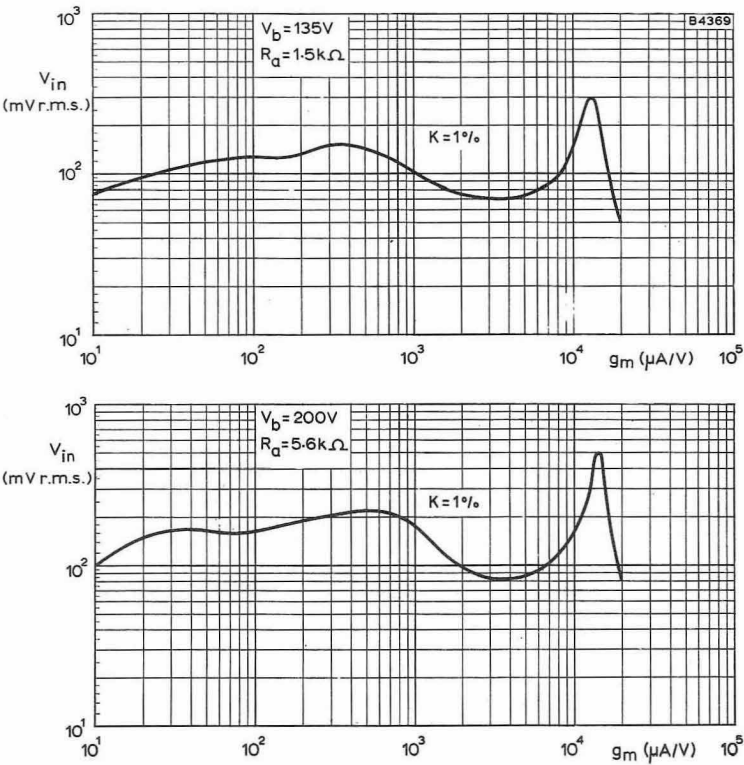
ANODE CURRENT PLOTTED AGAINST GRID VOLTAGE WITH ANODE VOLTAGE AND MUTUAL CONDUCTANCE AS PARAMETERS



ANODE CURRENT PLOTTED AGAINST GRID VOLTAGE



MUTUAL CONDUCTANCE PLOTTED AGAINST GRID VOLTAGE



CROSS MODULATION CURVE

