

OUTPUT PENTODE

PENA4

PENB4

OVERLEAF

HEATER

V_h	4.0	V
I_h	1.95	A

CAPACITANCES

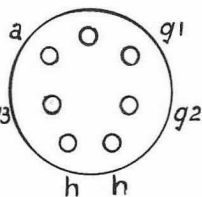
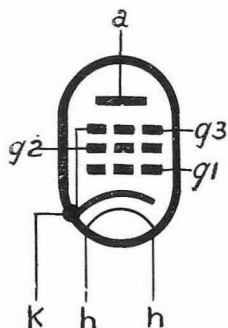
C_{a-g1}	2.0	pF
C_{out}	7.0	pF
C_{in}	14	pF

OPERATING CONDITIONS

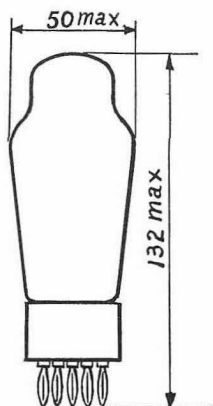
V_a	250	V
V_{g2}	250	V
I_a	36	mA
I_{g2}	5.0	mA
g_m	9.5	mA/V
r_a	50	k Ω
P_{out}	3.8	W
R_a	8.0	k Ω
R_{k1}	145	Ω

LIMITING VALUES

V_a max.	250	V
p_a max.	9.0	W
V_{g2} max.	250	W
R_{g1-k} max.	1.0	M Ω



BRIT. 7-PIN BASE



PENB4

OUTPUT PENTODE

HEATER

V_h	4.0	V
I_h	2.1	A

CAPACITANCES

C_{out}	11	pF
C_{in}	14	pF
C_{a-g}	< 1.0	pF

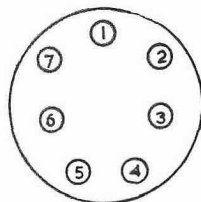
OPERATING CONDITIONS

V_a	250	V
V_{g2}	275	V
I_a	72	mA
I_{g2}	7.0	mA
g_m	8.5	mA/V
r_a	22	k Ω
R_a	3.5	k Ω
P_{out}	8.8	W
V_{in} (r.m.s.)	8.2	V
R_k	175	Ω

LIMITING VALUES

V_a max.	250	V
p_a max.	18	W
V_{g2} max.	275	V
p_{g2} max.	3.0	W
I_k max.	90	mA
R_{g1-k} max.	300	k Ω
V_{h-k} max.	50	V
R_{h-k} max.	5.0	k Ω

CONNECTIONS



Viewed from free end of pins

Brit. 7-Pin Base

Pin No.	1	NC
"	2	Control grid (g_1)
"	3	Screen grid (g_2)
"	4	Heater
"	5	Heater
"	6	Cathode
"	7	Anode

DIMENSIONS

Overall length	138	mm
Overall diameter	51	mm

OUTPUT PENTODE

PENB4

Indirectly heated high-sensitivity Pentode capable of giving a large output in A.C. mains receivers.

HEATER

	V_h	4.0	V
	I_h	2.1	A
Heating Time		20	secs.

CAPACITANCES

C_{out}	11	$\mu\mu F$
C_{in}	14	$\mu\mu F$
C_{a-g}	<1.0	$\mu\mu F$

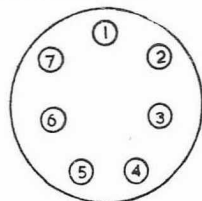
OPERATING CONDITIONS

V_a	250	V
V_{g2}	275	V
I_a	72	mA
I_{g2}	7.0	mA
g_m	8.5	mA/V
r_a	22	k Ω
R_a	3.5	k Ω
P_{out}	8.8	W
V_{in} (r.m.s.)	8.2	V
R_k	175	Ω

LIMITING VALUES

V_a max.	250	V
p_a max.	18	W
V_{g2} max.	275	V
p_{g2} max.	3.0	W
I_k max.	90	mA
R_{g1-k} max.	300	k Ω
V_{h-k} max.	50	V
R_{h-k} max.	5.0	k Ω

CONNECTIONS



Viewed from free end of pins

Brit. 7-Pin Base

Pin No. 1 N.C.

- „ 2 Control Grid (g_1)
- „ 3 Screen Grid (g_2)
- „ 4 Heater
- „ 5 Heater
- „ 6 Cathode
- „ 7 Anode

DIMENSIONS

Overall length	138	mm.
Overall diameter	51	mm.

