

# MULLARD INDIRECTLY-HEATED A.C. MAINS VALVES—continued

Type.	Description.	Base.	Bulb Finish.	If.	Characteristics at $V_a = 100$ ; $V_g = 0$ .			(a) $V_a$	(b) $V_s$ or $V_{aux}$	(c) $V_g$ for (a) or (b)	$I_a$ for (c)	Optimum Load.	Price.
					$r_a$	$m$	$g_m$						
Pen.4VB	Output Pentode .. ..	7-pin	Clear	1.95	—	—	10.0	250	250	5.8	32.0	6,000	13/6
Pen. A4	Output Pentode .. ..	7-pin	Clear	1.95	—	—	10.0	250	250	5.8	32.0	8,000	13/6
Pen.B4	Output Pentode .. ..	7-pin	Clear	2.1	—	—	8.0	250	275	14.0	72.0	3,500	18/6
Pen.4DD	Double-diode Output Pentode	7-pin	Clear	2.25	—	—	10.0	250	250	6.0	36.0	7,000	16/-
Pen.428	Output Pentode .. ..	7-pin	Clear	2.1	—	—	8.0	375*	275*	20.5*	62.0*	6,500*	25/-

\* Data for 2xPen.428 used in Class "AB."

# MULLARD DIRECTLY-HEATED OUTPUT VALVES FOR A.C. SETS

$V_f = 4.0$  V. unless otherwise stated.

Type.	Description.	Base.	Bulb Finish.	If.	Characteristics at $V_a = 100$ ; $V_g = 0$ .			(a) $V_a$	(b) $V_s$ or $V_{aux}$	(c) $V_g$ for (a) or (b)	$I_a$ for (c)	Optimum Load.	Price.						
					$r_a$	$m$	$g_m$												
A.C.104	Triode .. ..	4-pin	Clear	1.0	2,850	10	3.5	{ 150 175 200	—	{ 10.0 12.0 14.0	{ 8.5 9.75 11.0	6,000	16/-						
A.C.064	Triode .. ..	4-pin	Clear	1.0	2,000	6.0	3.0							{ 150 175 200	—	{ 14.0 17.5 21.0	{ 16.0 18.0 20.0	5,000	16/-
A.C.044	Triode .. ..	4-pin	Clear	1.0	950	6.4	6.8												
A.C.042	Triode .. ..	4-pin	Clear	2.0V 2.0A	950	6.4	6.8	{ 150 200 250	—	{ 16.0 22.0 29.0	{ 33.0 40.0 48.0	2,500	12/6						
P.M.24	Pentode .. ..	4-pin or 5-pin	Clear	0.15	—	—	1.75							{ 100 125 150	{ 100 125 150	{ 6.0 9.0 11.0	{ 12.0 16.0 20.0	8,000	17/6