OUTPUT PENTODE

PL33

High sensitivity output pentode with maximum anode dissipation of 9 watts, suitable for use in frame time base or audio output stage of D.C./A.C. television receivers.

HEATER

I_h	0.3	A
V_h	19	V

MOUNTING POSITION

Any

CAPACITANCE

C_{a-g1}	1.0	μμF

OPERATING CONDITIONS AS CLASS "A" AMPLIFIER

V_a	175	200	225	V
V_{g2}	175	200	225	V
R_k	150	150	150	Ω
V_{g1}	−4	−4.65	−5.3	V
I_a	24	28	32	mA
I_{g2}	2.6	3.0	3.4	mA
g_m	8	8.6	9	mA/V
r_a	60	55	50	kΩ
μ_{g1-g2}	23	23	23	
R_a	7	7	7	kΩ
$V_{in\ (r.m.s.)}$ (D_{tot}=10%)	—	—	3.4	V
P_{out} (D_{tot}=10%)	—	—	3.3	W
$V_{in\ (r.m.s.)}$ (Start of I_{g1})	2.6	3.1	3.6	V
P_{out} (Start of I_{g1})	1.8	2.55	3.45	W
D_{tot} (Start of I_{g1})	8.8	10	11	%

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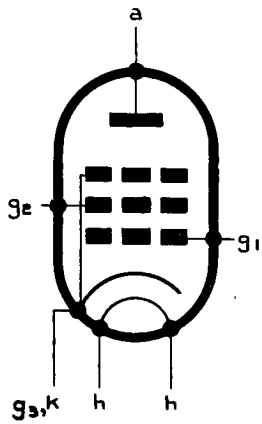
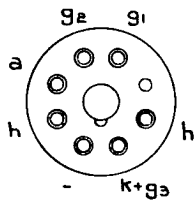
LIMITING VALUES

$V_{a(b)}$ max.	550	V
V_a max.	250	V
p_a max.	9	W
$V_{g2(b)}$ max.	550	V
V_{g2} max.	275	V
p_{g2} max. (no sig.)	1.2	W
p_{g2} max. (max. sig.)	2.5	W
I_k max.	55	mA
V_{g1} max. ($I_{g1}=+0.3\mu A$)	−1.3	V
R_{g1-k} max. (Self-bias)	1.0	MΩ
V_{h-k} max.	300	V
R_{h-k} max.	5.0	kΩ





OCTAL BASE