

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	μF
------------	-----	---------

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	k Ω
μ_{g1-g2}	23	23	23	
R_a	7	7	7	k Ω
$V_{in (r.m.s.)} (D_{tot}=10\%)$	—	—	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	%

PL33

OUTPUT PENTODE

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.

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	M Ω
V_{h-k} max.	300	V
R_{h-k} max.	5.0	k Ω

