

Single-ended r.f. pentode, fully controlled by voltages of 0 to $-6V$ or 0 to $-55V$ according to the circuit used.

HEATER

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

V_h	6.3	V
I_h	300	mA

CAPACITANCES

	Min.	Av.	Max.	
C_{a-g1}	—	—	0.007	pF
C_{g1-g2}	—	2.4	—	pF
C_{in}	7.1	8.3	9.5	pF
C_{out}	4.8	5.2	5.6	pF

OPERATING CONDITIONS

V_a	250	250	250	250	V
V_{g2}	250	250	250	250	V
V_{g1-c}	-2	-1.55*	**	††	V
V_{g3}	0*	0	-30*	-20*	V
I_a	10	10	10	10	mA
I_{g2}	3.0	3.0	5.5	4.0	mA
g_m	6.5	6.5	5.2	6.0	mA/V
r_a	1.0	1.0	0.1	0.2	MΩ
$ Z_{g1-g2} $	75	—	—	—	
R_{eq}	1.4	—	—	—	kΩ
Input damping ($f = 50Mc/s$)	4.0	—	—	—	kΩ
Output damping ($f = 50Mc/s$)	50	—	—	—	kΩ
R_k	0	32	0	32	Ω
C_k	0	50	0	50	pF
V_{g1} (for 10 : 1 reduction in g_m)	—	-4.5	**	††	V
V_{g3} (for 10 : 1 reduction in g_m)	-53	—	-55.5	-51.5	V

* Valve not controlled by a.g.c.

** V_{g1} is obtained from V_{g3} by means of a potentiometer of 50kΩ and 3kΩ.

†† V_{g1} is obtained from V_{g3} by means of a potentiometer of 50kΩ and 4kΩ.

LIMITING VALUES

$V_{it} \text{ (Ib) max.}$	550	V
$V_{ia} \text{ max.}$	300	V
$p_{ia} \text{ max.}$	3	W
$I_k \text{ max.}$	15	mA
$V_{g2} \text{ (Ib) max.}$	550	V
$V_{g2} \text{ max.}$	300	V
$p_{g2} \text{ max.}$	1.7	W
$V_{g1} \text{ max. (I}_{g1} = \pm 0.3 \mu\text{A})$	-1.3	V
$V_{g3} \text{ max. (I}_{g3} = \pm 0.3 \mu\text{A})$	-1.3	V
$R_{g1} \text{ max.}$	3	M Ω
$R_{g3} \text{ max.}$	3	M Ω
$V_{h-k} \text{ max.}$	100	V
$R_{h-k} \text{ max.}$	20	k Ω

