

VOLTAGE AMPLIFYING PENTODES A

EF36 General purpose A.F. pentode

EF 36

EF37 General purpose low-microphony A.F. pentode

EF 37

HEATER

V_h 6.3V I_h 0.2A Suitable for D.C./A.C. operation

For ratings, characteristics and operating conditions see EF37A below

High gain low microphony, low hum A.F. pentode,
primarily intended for use in pre-amplifier stages

EF 37A

HEATER

V_h 6.3 V I_h 0.2 A Suitable for D.C./A.C. operation

CAPACITANCES

C_{a-g1}	<0.02	$\mu\mu F$
C_{in}	5.5	$\mu\mu F$
C_{out}	8.5	$\mu\mu F$

CHARACTERISTICS

V_a	250	V
V_{g2}	100	V
V_{g3}	0	
I_a	3	mA
V_{g1}	-2	V
I_{g2}	0.8	mA
g_m	1.8	mA/V
r_a	2.5	M Ω
μ_{g1-g2}	28	

OPERATING CONDITIONS

As R.C. coupled A.F. amplifier connected as pentode

V_b (V)	R_a (K Ω)	I_k (mA)	R_{g2} (K Ω)	R_k (K Ω)	V_{out} V_{in}	** V_{out} ($V_{r.m.s.}$)	* R_{g1} (K Ω)
400	100	3.4	330	1.2	115	80	330
350	100	2.9	330	1.2	112	69	330
300	100	2.5	330	1.2	108	59	330
250	100	2.1	330	1.2	103	49	330
200	100	1.7	330	1.2	98	39	330
400	220	1.8	680	2.2	180	81	680
350	220	1.6	680	2.2	176	69	680
300	220	1.3	680	2.2	170	58	680
250	220	1.1	680	2.2	163	48	680
200	220	0.9	680	2.2	152	37	680

* R_{g1} is the grid resistance of the following valve

** D_{tot} =5%

