R.F. OR A.F. PENTODE

EF36

High impedance pentode for use as general purpose voltage amplifier, and in phase inverters, etc. For curves, see EF37.

HEATER

This valve is suitable for DC/AC operation.

V_h	6.3	V
I_h	0.2	A

CAPACITANCES

c_{a-g}	< 0.02	$\mu\mu F$
c_{in}	5.5	$\mu\mu F$
c_{out}	8.5	$\mu\mu F$

OPERATING CONDITIONS AS R.F. OR I.F. AMPLIFIER

V_a	100	200	250	V
V_{g2}	100	100	100	V
I_a	3	3	3	mA
V_{g1}	-2	-2	-2	V
I_{g2}	0.8	0.8	0.8	mA
μ	1,800	3,600	4,500	
g_m	1.8	1.8	1.8	mA/V
r_a	1.0	2.0	2.5	megohms

LIMITING VALUES

$V_{a(b)}$. max.	550	V
V_a max.	300	V
w_a max.	1	W
I_k max.	6	mA
$V_{g2(b)}$ max.	550	V
V_{g2} max.	125	V
w_{g2} max.	0.3	W
V_{g1} max.(I_{g1}=0.3μA)	-0.6	V
I_{g2} max.	1.4	mA
I_{g2} min.	0.8	mA
R_{g1} max (self bias)	3	megohms
R_{g1} max (fixed bias)	1	megohm
V_{h-k} max.	100	V
R_{h-k} max.	20,000	ohms

OPERATING CONDITIONS CONNECTED AS TRIODE

g2 connected to a; g3 connected to k

V_a	150	V
V_{g1}	-3	V
I_a	6	mA
μ	28	
g_m	2.8	mA/V
r_a	10,000	ohms

NOTE: FOR CURVES, SEE DATA SHEET ON TYPE EF.37

EF36

R.F. OR A.F. PENTODE

*High impedance pentode for use as general purpose voltage
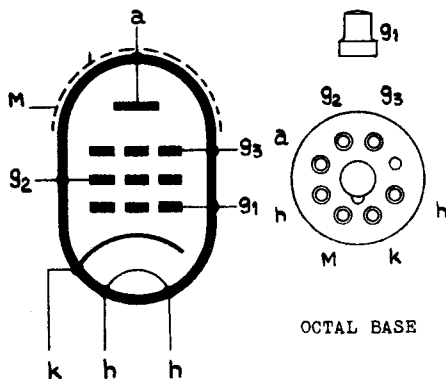amplifier, and in phase inverters, etc. For curves, see EF37.*

OPERATING CONDITIONS AS RESISTANCE-COUPLED A.F. AMPLIFIER
CONNECTED AS PENTODE

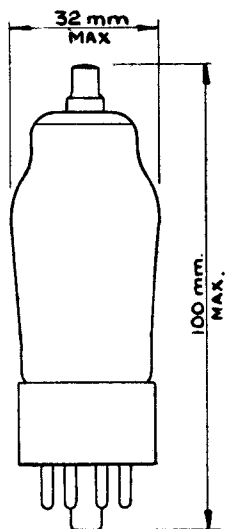| V_b V	R_a MΩ	I_a mA ✗	R_{g2} mΩ	I_{g2} mA ✗	R_k Ω	V_{out} (Vrms)	$\frac{V_{out}}{V_{in}}$	D_{tot} (%)
300	0.3	0.7	0.8	0.25	4000	11.2	175	1.4
250	0.3	0.6	0.8	0.2	4000	8.5	165	1.6
200	0.3	0.45	0.6	0.17	6400	5.0	130	1.8
100	0.3	0.22	0.6	0.08	6400	2.4	105	<1.0
300	0.2	1.1	0.4	0.4	3000	11.2	150	<1.0
250	0.2	0.9	0.4	0.35	3000	8.5	140	1.3
200	0.2	0.6	0.4	0.23	5000	5.0	115	1.0
100	0.2	0.3	0.4	0.12	5000	2.4	100	0.9
300	0.1	1.9	0.25	0.65	1600	11.2	115	1.0
250	0.1	1.6	0.25	0.5	1600	8.5	110	1.0
200	0.1	1.2	0.2	0.4	3000	5.0	95	<1.0
100	0.1	0.6	0.2	0.2	3000	2.4	85	<1.0

✗ Ia and Ig2 measured at zero signal.

NOTE: Resistance of grid leak of following valve = 0.7 MΩ

ARRANGEMENT OF ELECTRODES
AND BASE CONNECTIONS

DIMENSIONS

OCTAL BASE

NOTE: FOR CURVES, SEE DATA SHEET ON TYPE EF.37