

Mullard
H. F. PENTODE

EF6

Heater	(This valve is suitable for DC/AC operation.)	Vf	= 6.3 V
		If	= 0.2 A
Capacities		C _{g1}	< 0.005 μ F
		C _{g2}	= 5.2 μ F
		C _a	= 6.9 μ F

Operating Conditions as H.F. and 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} (I _a = 3 mA)	.....	0.8	0.8	0.8	mA
S	.....	1,800	3,600	4,500	
S (I _a = 3 mA)	.....	1.8	1.8	1.8	mA/V
R _i (I _a = 3 mA)	.....	1.0	2.0	2.5	M Ω

Limiting Values

V _{ao} max	.....	550	V
V _a max	.....	300	V
W _a max	.....	1	W
I _k max	.....	6	mA
V _{g20} max	.....	550	V
V _{g2} max	.....	125	V
W _{g2} max	.....	0.3	W
V _{g1} max (I _{g1} = 0.3 μ A)	.....	-0.6	V
I _{g2} max	.....	1.4	mA
I _{g2} min	.....	0.8	mA
R _{g1a} max	.....	3	M Ω ←
R _{g1f} max	.....	1	M Ω
V _{rk} max	.....	100	V.D.C. ←
R _{fk}	.....	20,000	Ω

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
S	.....	28	
S	.....	2.8	mA/V
R _i	.....	10,000	ohms

EF6

EF6

Mullard H. F. PENTODE

Operation as resistance-coupled low-frequency amplifier (pentode connection)

Vb (V)	Ra (MΩ)	Ia (mA)	Rg2 (MΩ)	Ig2 (mA)	Rk (ohms)	Vo VI	With EL3 as Output Valve Va=Vg2=250V.		With EL6 as Output Valve Va=250V; Vg2=250 V.		With EL2 as Output Valve Va=Vg2=250V.	
							Vo V.RMS	dtot %	Vo V.RMS	dtot %	Vo V.RMS	dtot %
300	0.3	0.7	0.8	0.25	4000	175	3.7	<1.0	4.8	<1.0	11.2	1.5
250	0.3	0.6	0.8	0.2	4000	165	3.7	<1.0	4.8	<1.0	11.2	2.2
300	0.2	1.1	0.4	0.4	3000	150	3.7	<1.0	4.8	<1.0	11.2	1.0
250	0.2	0.9	0.4	0.35	3000	140	3.7	<1.0	4.8	<1.0	11.2	1.8
300	0.1	1.9	0.25	0.65	1600	115	3.7	<1.0	4.8	<1.0	11.2	1.0
250	0.1	1.6	0.25	0.50	1600	110	3.7	<1.0	4.8	<1.0	11.2	1.0

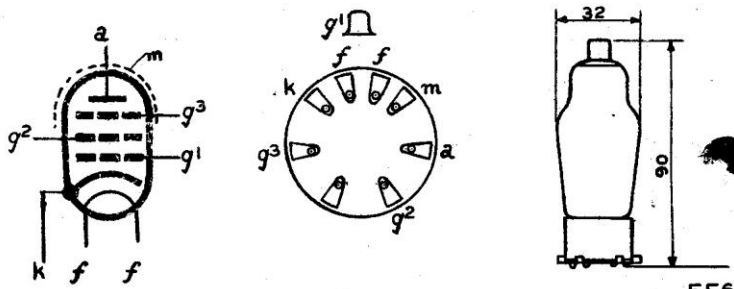
Figures given under the headings "Output Voltage" and "Total Distortion" are for full modulation of the Output Valve.

Ia and Ig2 measured with no signal.

Rg1x (resistance of the following output valve) = 0.7 MΩ;

Ck = 50 uF.

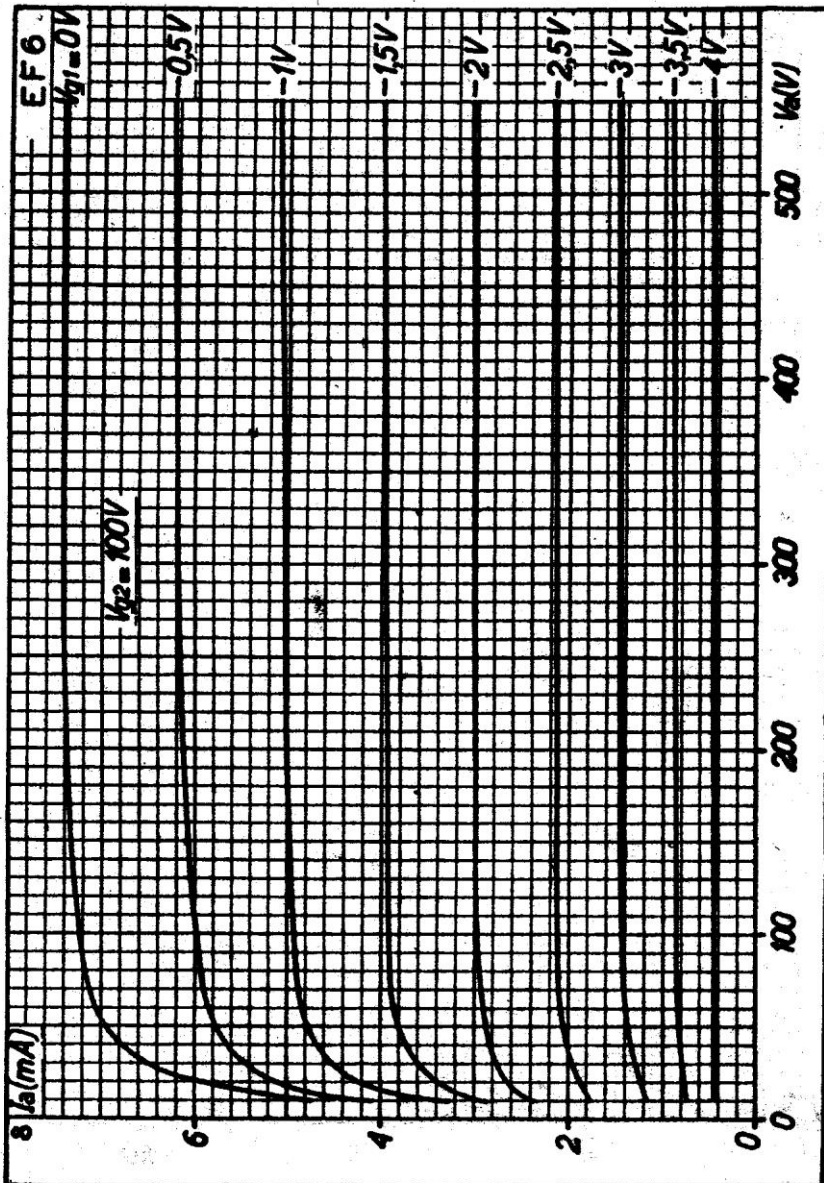
Arrangement of electrodes and base connections.



1540/2

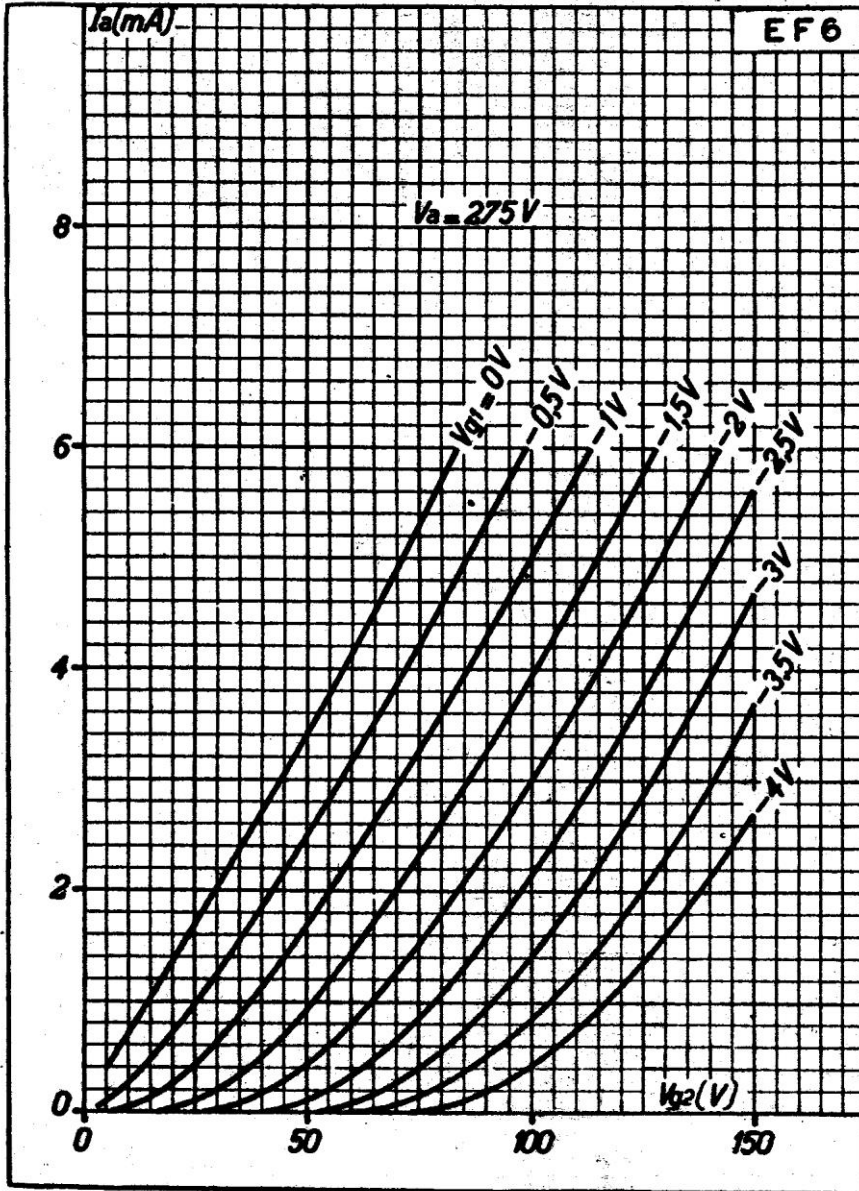
Mullard
H.F. PENTODE

EF6



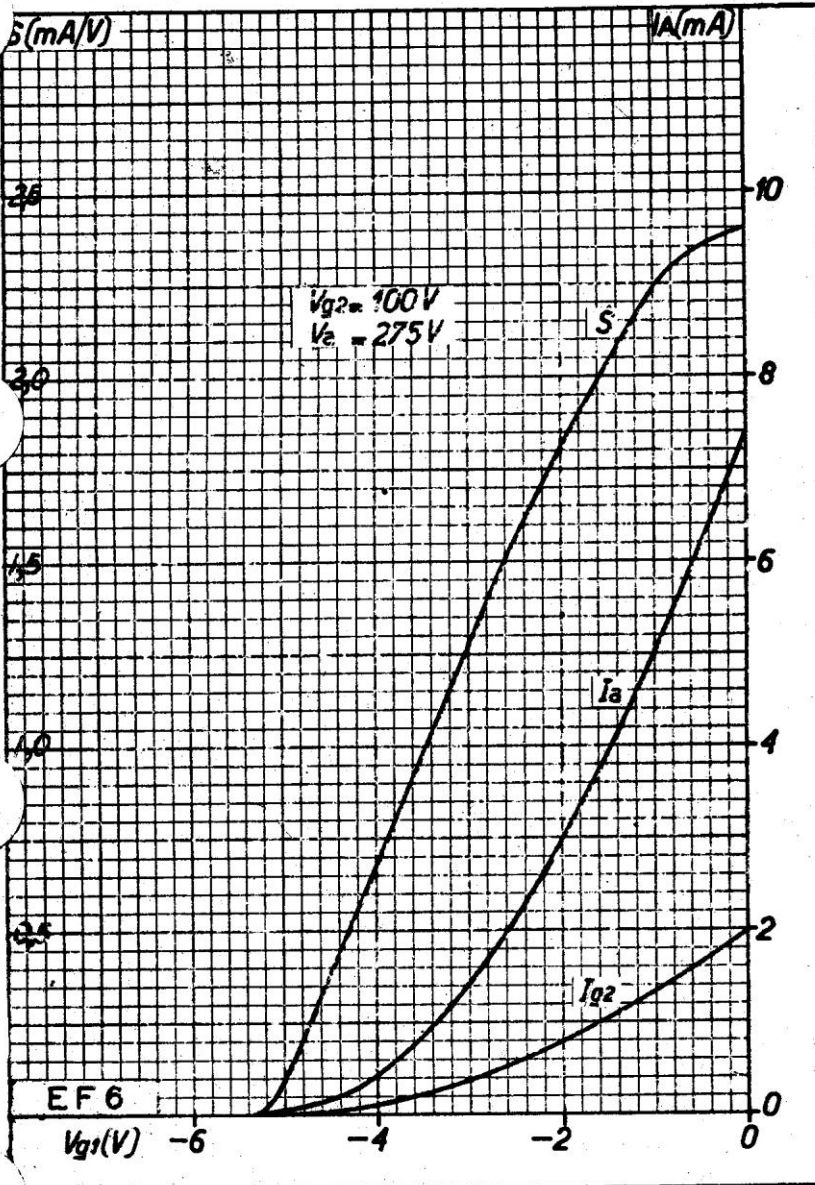
EF6

Mullard H.F. PENTODE



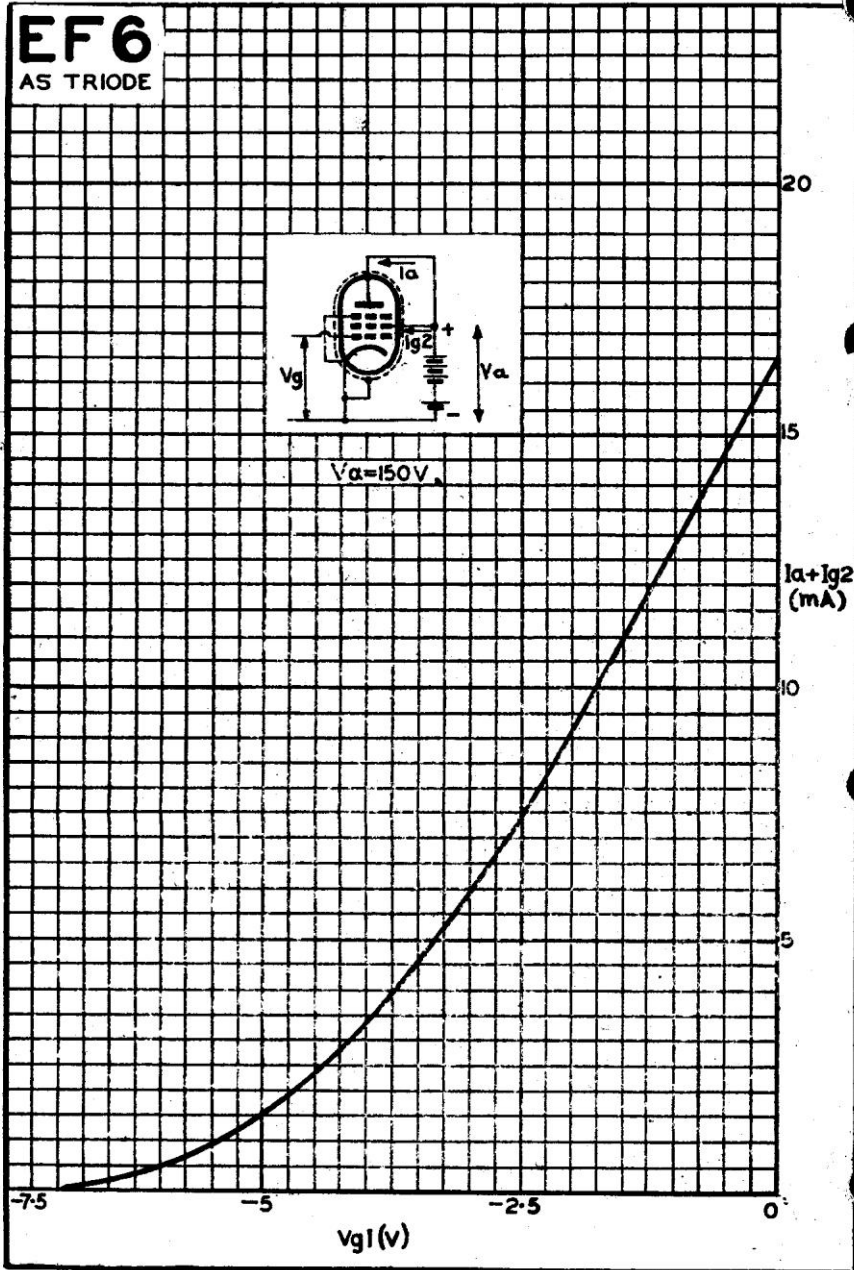
Mullard
H.F. PENTODE

EF6



EF 6

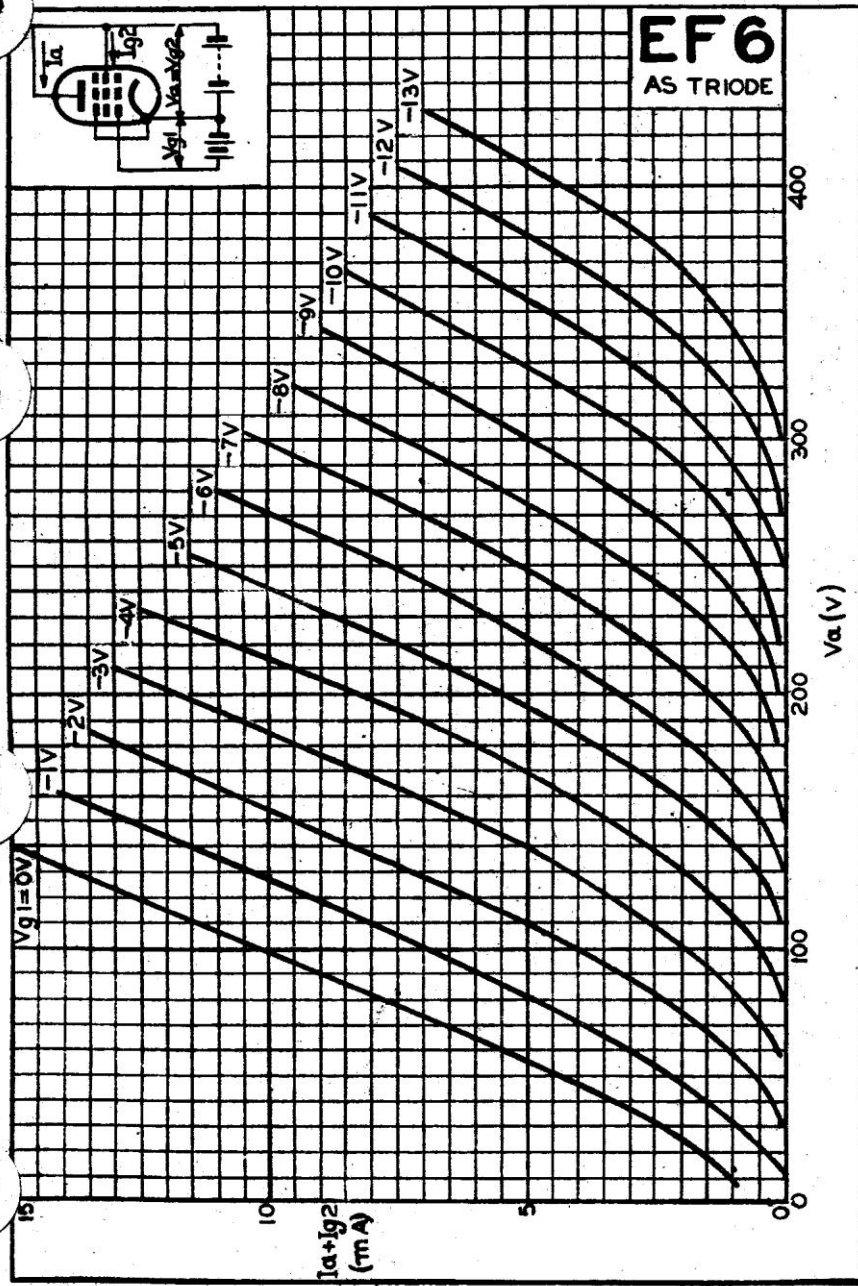
Mullard H.F. PENTODE



1340/6

Mullard
H.F. PENTODE

EF6



Mullard
H.F. PENTODE

EF6

