

DOUBLE TRIODE

ECC35

High-gain double triode with separate cathodes for use in paraphase A.F. voltage amplifiers.

HEATER

V_h	6.3	V
I_h	0.4	A

CAPACITANCES

$c_{a'-a''}$	0.75	μuF
$c_{a'-g'}$	2.5	μuF
$c_{in'}$	3.0	μuF
$c_{out'}$	1.0	μuF
$c_{a''-g''}$	3.0	μuF
$c_{in''}$	3.0	μuF
$c_{out''}$	1.3	μuF

CHARACTERISTICS

V_a	250	V
V_g	-2.5	V
I_a	2.3	mA
ξ_m	2.0	mA/V
μ	68	
r_a	34,000	ohms

LIMITING VALUES

$V_a(b)$ max	550	V
V_a max	300	V
I_a max	1.5	W
I_k max	8.0	mA
R_g max	1.5	M.ohms
V_{h-k} max	90	V



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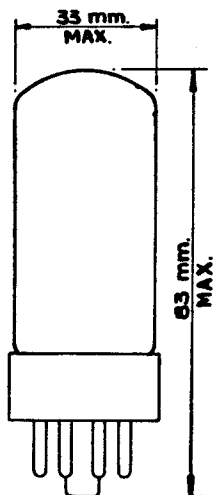
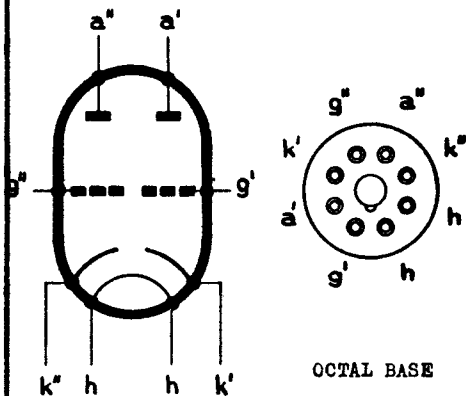
OPERATING CONDITIONS AS R.C. COUPLED AUDIO AMPLIFIER

V_b (V)	R_a (M Ω)	I_a (mA)	R_k (ohms)	$\frac{V_{out}}{V_{in}}$	V_{out}^* (V)	V_{out}^ϕ (V)	D_{tot} (%)	$R_{g1}^\#$ (M Ω)
400	.1	1.3	2700	40.5	37.5	66.2	10	.33
350	.1	1.1	2700	40.5	32.2	57.0	10	.33
300	.1	1.0	2700	40	28.0	48.7	10	.33
250	.1	0.8	2700	40	23.2	41.1	10	.33
200	.1	0.65	2700	39.5	18.7	28.5	8	.33
400	.22	0.73	4700	46	44	80	10	.68
350	.22	0.63	4700	45.5	38	69.3	10	.68
300	.22	0.53	4700	45.5	32.5	59	10	.68
250	.22	0.45	4700	45	27	43	8.5	.68
200	.22	0.38	4700	45	21.5	33.6	8.2	.68

- * at $D_{tot} = 5\%$
- ϕ at $D_{tot} = 10\%$ or start of I_g
- # grid resistance of following valve.

ARRANGEMENT OF ELECTRODES AND BASE CONNECTIONS

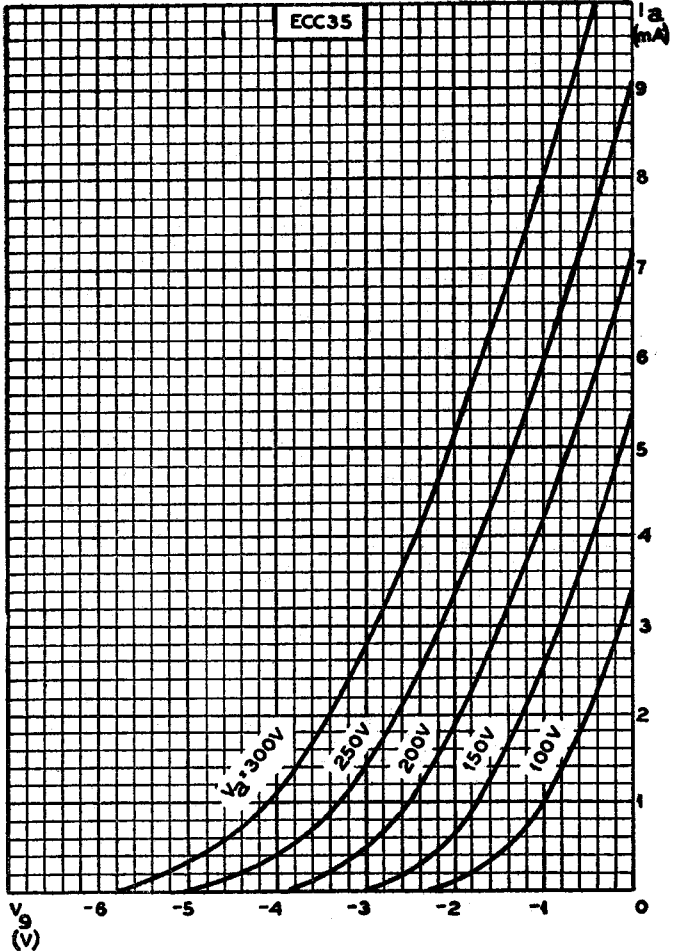
DIMENSIONS



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