

Mullard

OUTPUT PENTODE

EL35

HEATER

V_h	6.3	V.
I_h	1.35	A.

CAPACITANCE

C_{a-g}	1.0	uF.
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TYPICAL OPERATING CONDITIONS AS CLASS A AMPLIFIER (SINGLE VALVE)

V_a	250	V.
V_{g2}	250	V.
R_k	180	ohms.
V_{g1}	-15.5	V.
I_a	72.0	mA.
I_{g2}	8.0	mA.
R_{a-a}	5.0	mA/V.
r_a	15,500	ohms.
R_{g1-g2}	8.0	
R_s	2,500	ohms.
W_{out}	6.0	W.
V_{in}	13.0	V _{rms}
D_{tot}	10.0	%

TYPICAL OPERATION AS CLASS AB₁ PUSH PULL AMPLIFIER. (SELF BIAS)

V_a	270	360	V.
V_{g2}	270	270	V.
R_k	135	250	ohms.
I_{a0}	2x57	2x44	mA.
I_a (max.sig.)	2x70	2x53	mA.
I_{g20}	16	8.5	mA.
I_{g2} (max.sig.)	25	17.5	mA.
R_{a-a}	5,000	7,000	ohms.
W_{out}	17	21	W.
V_{in}	31	46	V _{rms} .
D_{tot}	6.0	< 3.0	%

TYPICAL OPERATION AS CLASS AB₁ PUSH PULL AMPLIFIER. (FIXED BIAS)

V_a	340	V.
V_{g2}	270	V.
V_{g1}	-26	V.
I_{a0}	2x44	mA.
I_a (max.sig.)	2x70	mA.
I_{g20}	8.5	mA.
I_{g2} (max.sig.)	19.5	mA.
R_{a-a}	6250	ohms.
W_{out}	26	W.
V_{in}	36	V _{rms} .
D_{tot}	< 3.0	%

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LIMITING VALUES

$V_{a(b)max.}$	550	V.
$V_a max.$	375	V.
$w_a max.$	18	W.
$V_{g2} max.$	250	V.
$w_{g2} max.$	3.5	W.
I_k	90	mA.
R_{g1-k}	0.6	M.ohms.
V_{h-k}	50	V.
R_{h-k}	5,000	ohms.

DIMENSIONS

ARRANGEMENT OF ELECTRODES AND BASE CONNECTIONS

