



Triode Type DA41

AF AMPLIFIER

General. The DA 41 is a triode valve fitted with a thoriated tungsten filament and a carbon anode. The valve was especially designed to operate in Class B audio amplifiers and a power output of 175 W may be obtained, with low distortion, from a pair of valves arranged in push-pull.

APPROXIMATE DATA

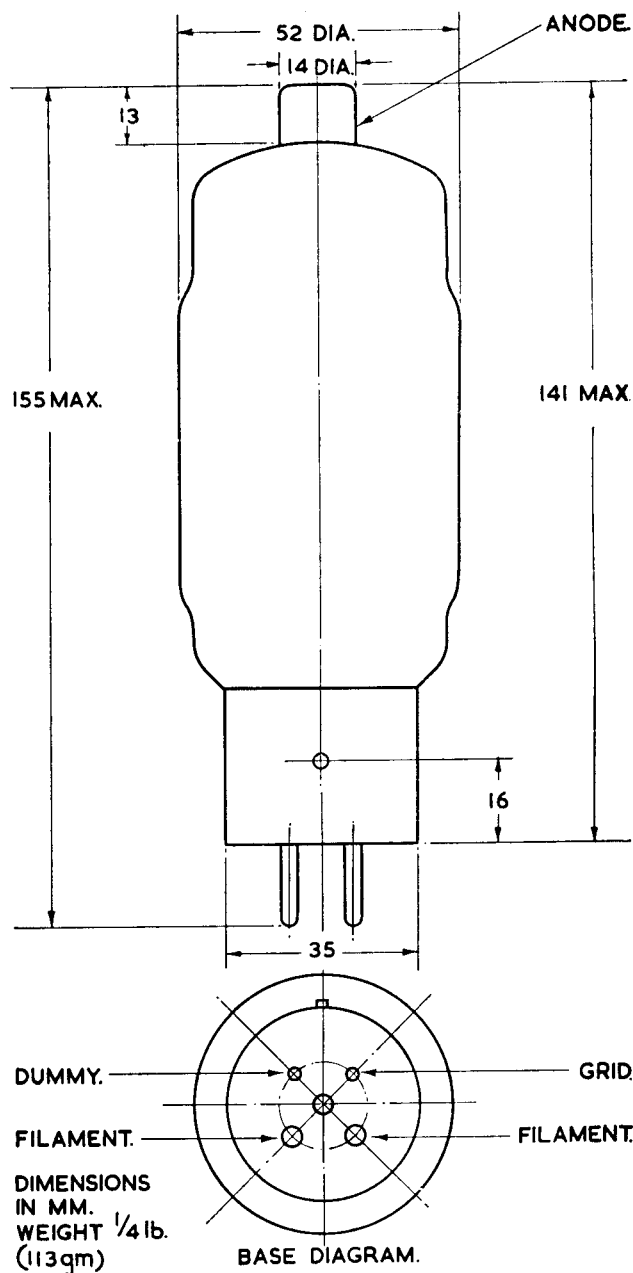
V_h	7.5	V
I_h	3.1	A
V_a	1	kV
P_a	40	W
μ	} taken at V_a 1 kV {	
g_m	62	
	} P_a 40 W {	
C_{a-g1}	5.9	pF
C_{a-k}	1.8	pF
C_{g1-k}	10	pF

Typical Operation

PUSH-PULL AUDIO AMPLIFIER. CLASS B

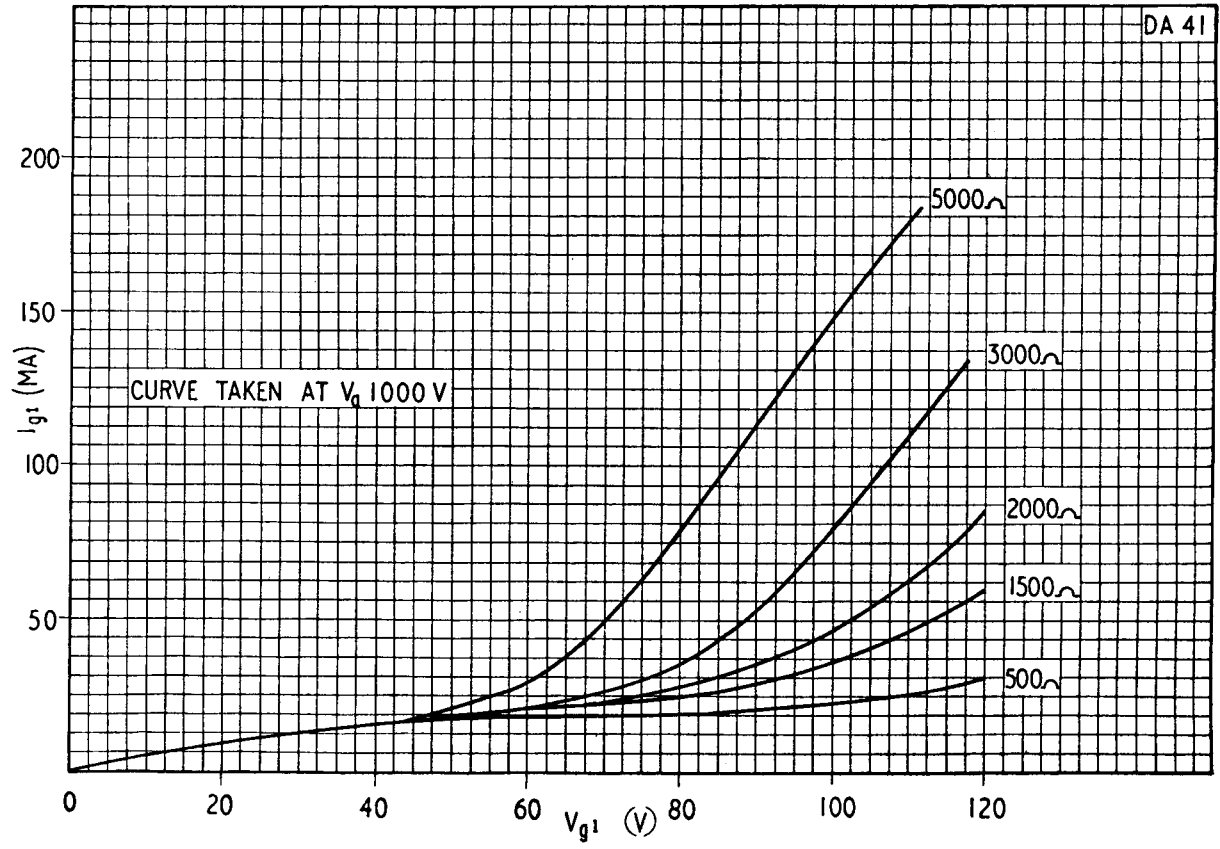
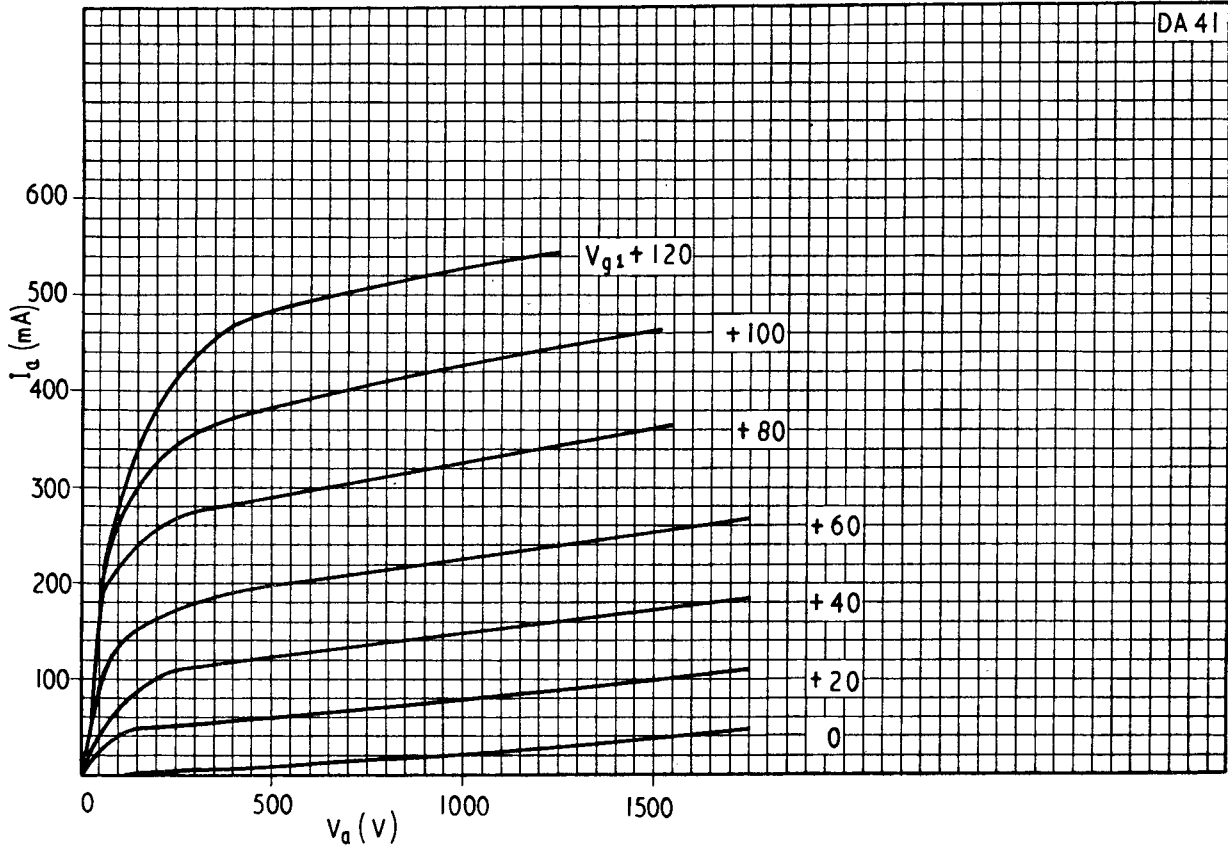
Per pair of valves

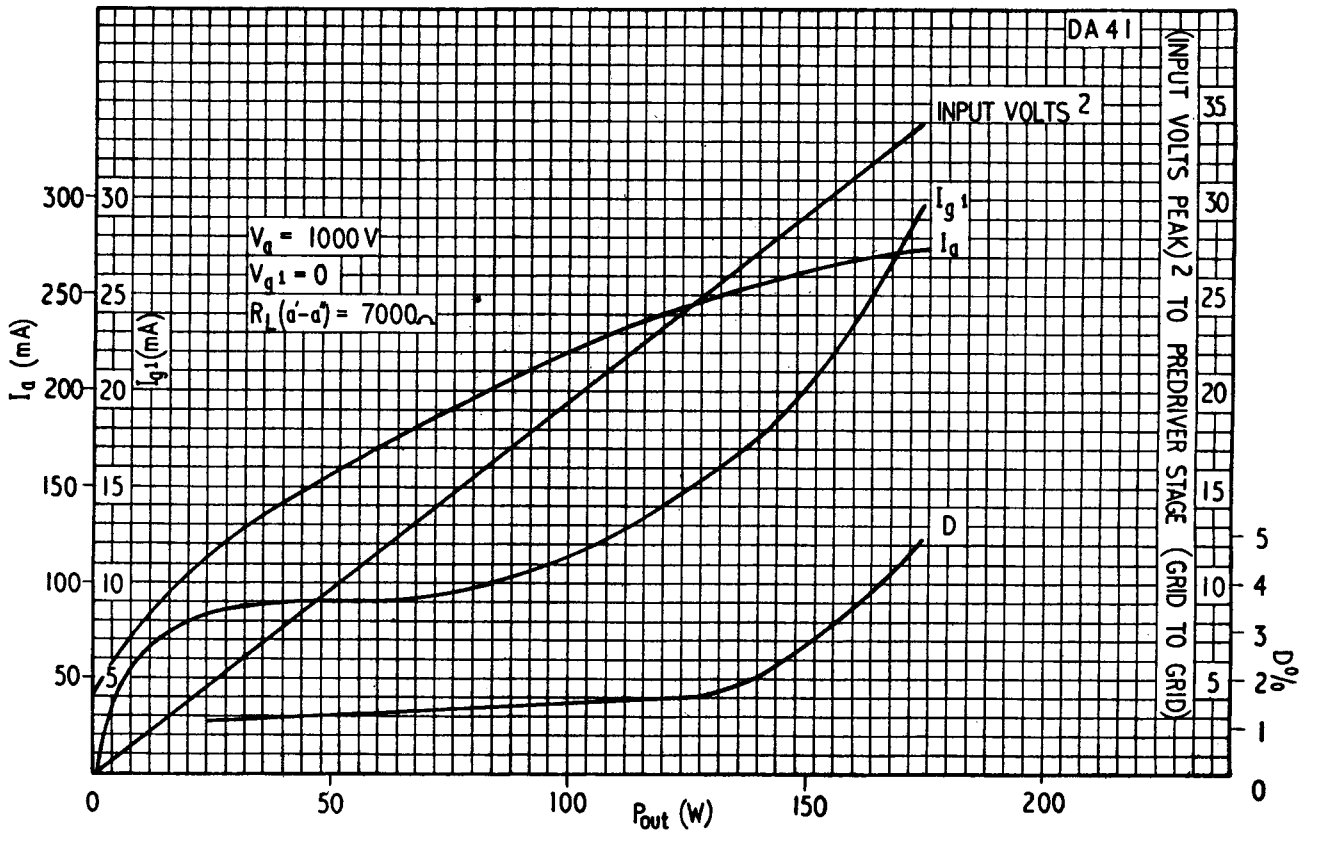
V_a	1	kV
V_{g1}	0	V
$I_{a(\text{zero-sig})}$	44	mA
$I_{a(\text{max-sig})}$	280	mA
R_L (a'-a'')	7	k Ω
V_{in} (pk)(g_1' - g_1'')	220	V
$I_{g1(\text{max-sig})}$	30	mA
P_{out}	175	W
D	5	%



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PRINTED IN ENGLAND