

VARIABLE-MU R.F. PENTODE

UF41

Variable-mu pentode suitable for use as R.F. or I.F. amplifier in D.C./A.C. mains operated receivers.

HEATER

This valve is suitable for series operation, D.C. or A.C.

I_h	0.1	A
V_h	12.6	V

CAPACITANCES

C_{a-g1}	0.002	$\mu\mu F$
C_{out}	7.0	$\mu\mu F$
C_{In}	5.0	$\mu\mu F$
C_{g1-h}	0.05	$\mu\mu F$

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

$V_a = V_b$	100	170	200	V
R_{g2}	40	40	40	k Ω
R_k	330	330	330	Ω
I_b	3.3	6.0	7.2	mA
I_{g2}	1.0	1.75	2.1	mA
V_{g1}	-1.4	-2.5	-3.0	V
g_m	1.9	2.2	2.3	mA/V
r_a	0.8	1.0	1.0	M Ω
μ_{g1-g2}	18	18	18	
R_{eq}	5.5	6.5	7.0	k Ω
V_{g1} for 100 : 1 reduction in g_m	-17	-28	-34	V

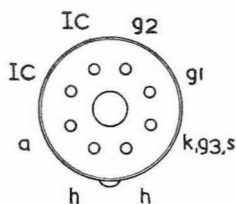
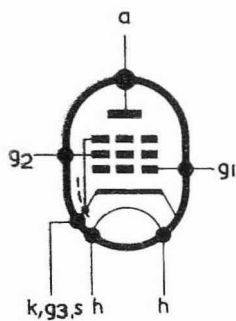
LIMITING VALUES

$V_{a(b)}$ max.	550	V
V_a max.	250	V
p_a max.	2	W
$V_{g2(b)}$ max.	550	V
V_{g2} max. ($I_b \leq 4mA$)	250	V
V_{g2} max. ($I_b = 7.2mA$)	150	V
p_{g2} max.	0.3	W
I_k max.	10	mA
V_{g1} max. ($I_{g1} = \pm 0.3\mu A$)	-1.3	V
R_{g1-k} max.	3	M Ω
R_{h-k} max.	20	k Ω
V_{h-k} max.	150	V

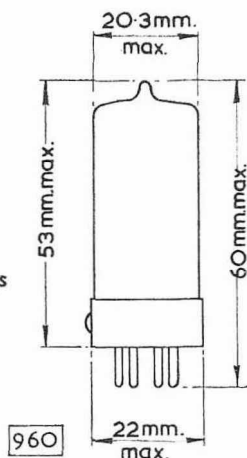
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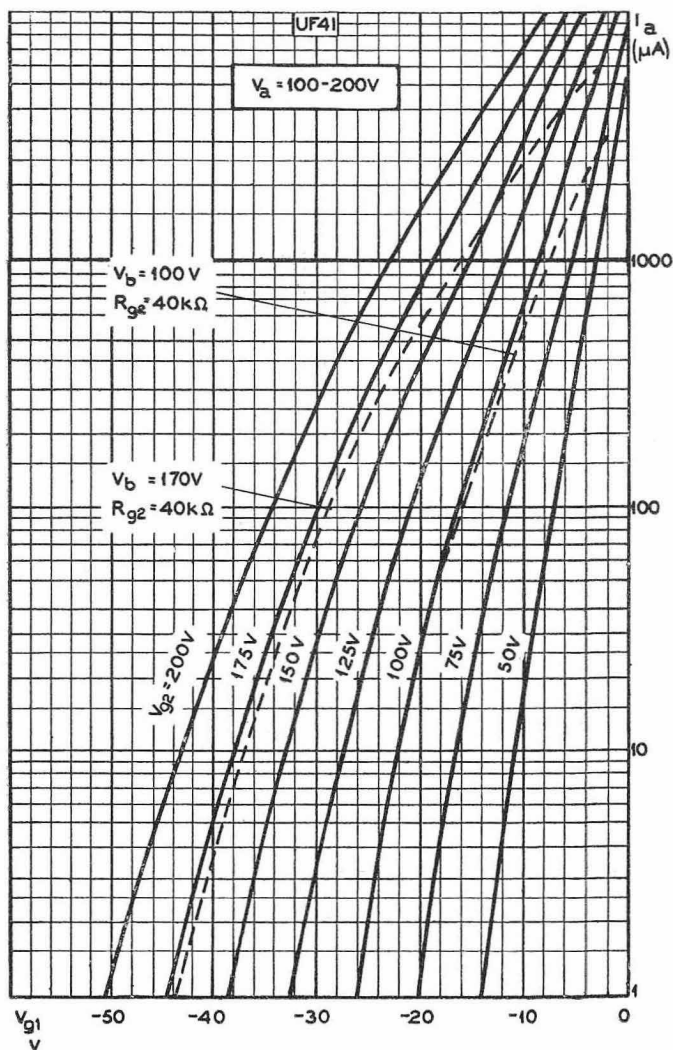
B8A BASE



VARIABLE-MU R.F. PENTODE

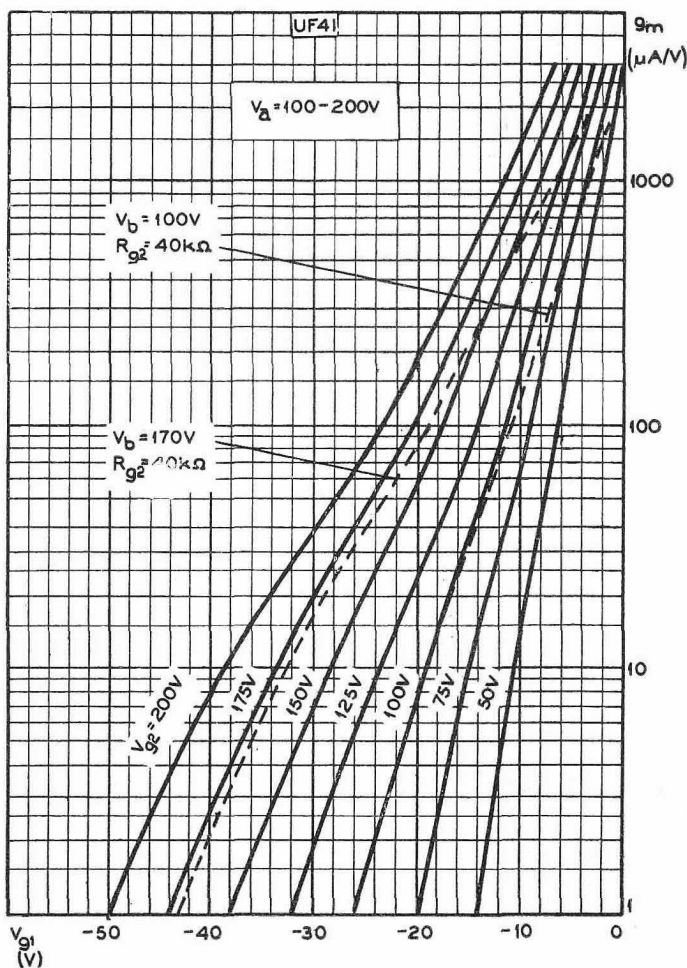
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Variable-mu pentode suitable for use as R.F. or I.F. amplifier in D.C./A.C. mains operated receivers.



ANODE CURRENT PLOTTED AGAINST CONTROL-GRID VOLTAGE

Variable-mu pentode suitable for use as R.F., or I.F. amplifier in D.C./A.C. mains operated receivers.

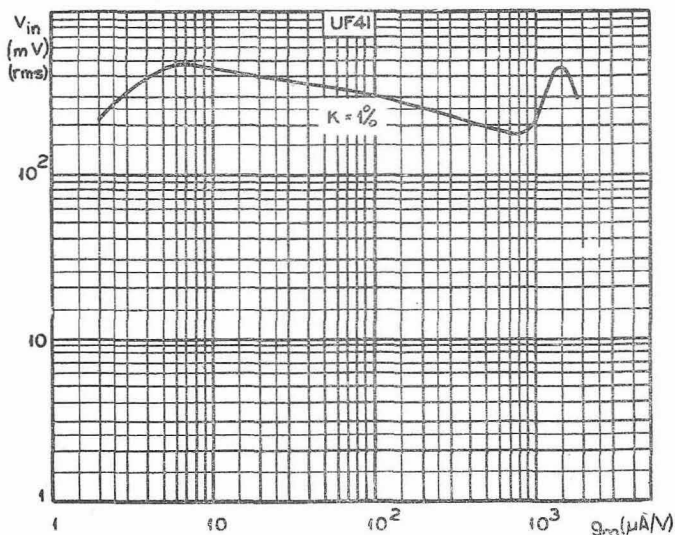
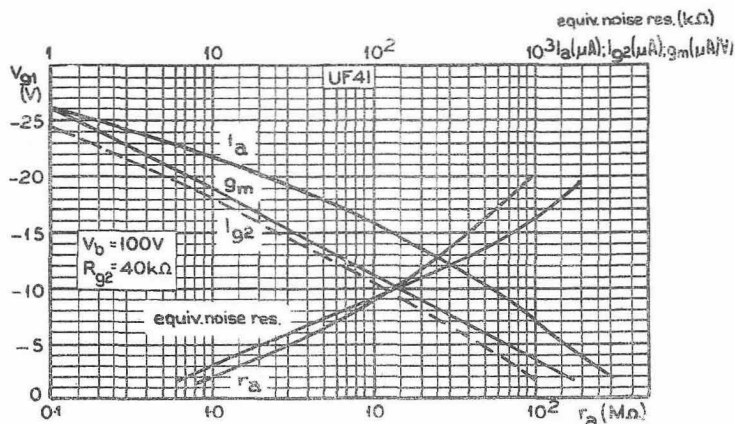


MUTUAL CONDUCTANCE PLOTTED AGAINST CONTROL-GRID VOLTAGE

VARIABLE-MU R.F. PENTODE

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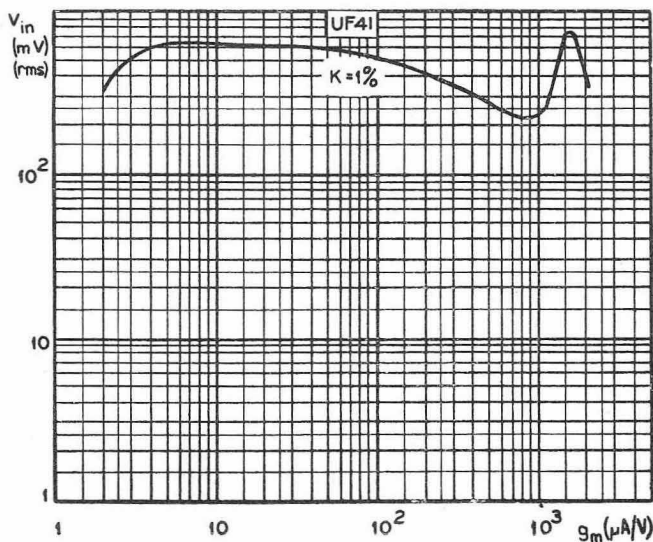
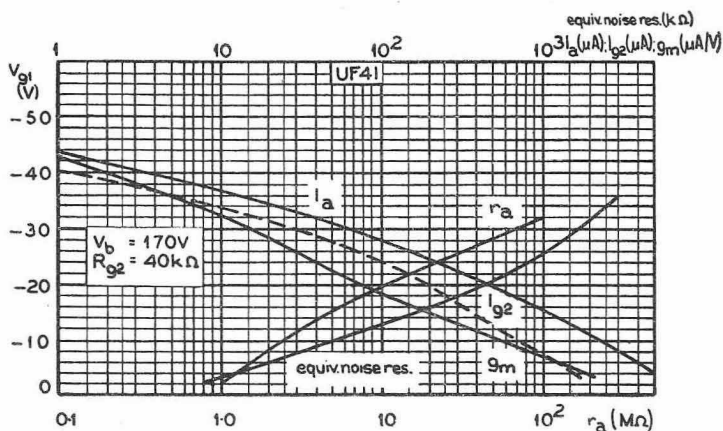


CONTROL CHARACTERISTICS AND CROSS-MODULATION CURVE, WITH SUPPLY VOLTAGE AT 100V

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VARIABLE-MU R.F. PENTODE

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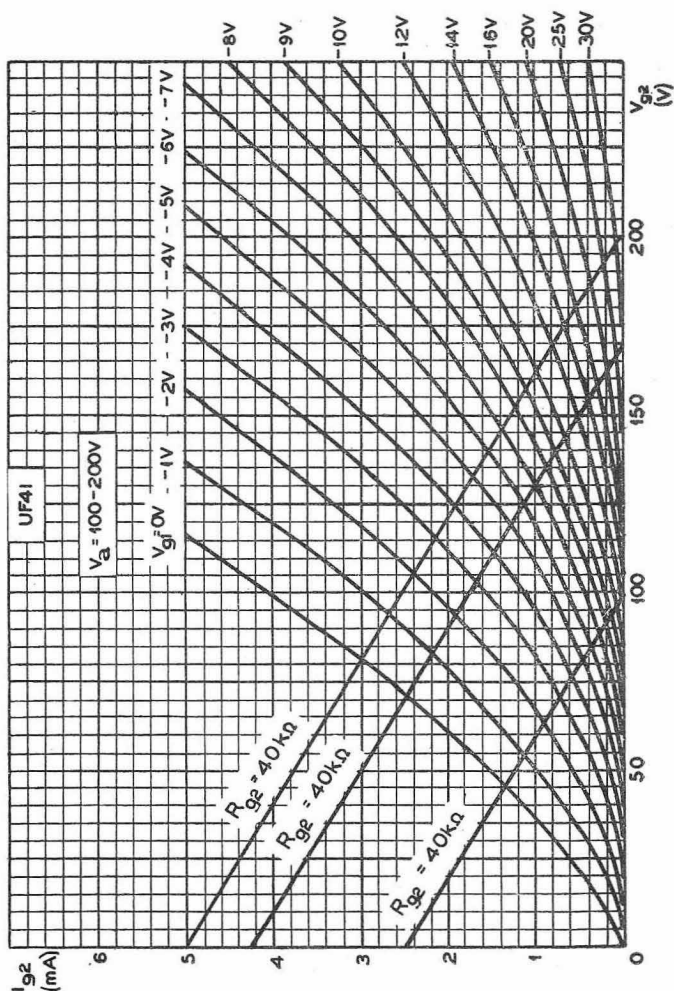


CONTROL CHARACTERISTICS AND CROSS-MODULATION CURVE, WITH SUPPLY VOLTAGE AT 170V

VARIABLE-MU R.F. PENTODE

Variable-mu pentode suitable for use as R.F. or I.F. amplifier in D.C./A.C. mains operated receivers.

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SCREEN-GRID CURRENT PLOTTED AGAINST SCREEN-GRID VOLTAGE

