

MINIATURE VARIABLE-MU R.F. PENTODE

DF91

Variable-mu pentode for use as
a controlled R.F. or I.F. amplifier.

FILAMENT

This valve is suitable for d.c. operation only.

V_f	1.4	V
I_f	0.05	A

CAPACITANCES

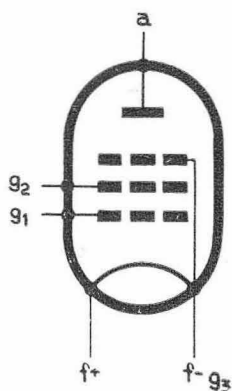
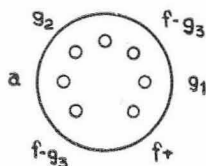
C_{a-g_1}	<0.01	$\mu\mu\text{F}$
C_{in}	3.6	$\mu\mu\text{F}$
C_{out}	7.5	$\mu\mu\text{F}$

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

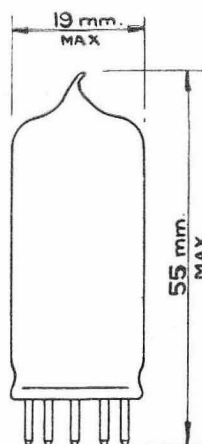
V_a	45	67.5	90	90	V
V_{g2}	45	67.5	45	67.5	V
V_{g1}	0	0	0	0	V
I_a	1.7	3.4	1.8	3.5	mA
I_{g2}	0.7	1.5	0.65	1.4	mA
g_m	700	875	750	900	$\mu\text{A/V}$
$V_{g1} (g_m = 10 \mu\text{A/V})$	-10	-16	-10	-16	V
r_a	350	250	800	500	k Ω

LIMITING VALUES

V_a max.	90	V
$V_{g2(b)}$ max.	90	V
V_{g2} max.	67.5	V
V_{g1} max.	0	V
I_k max.	5.5	mA



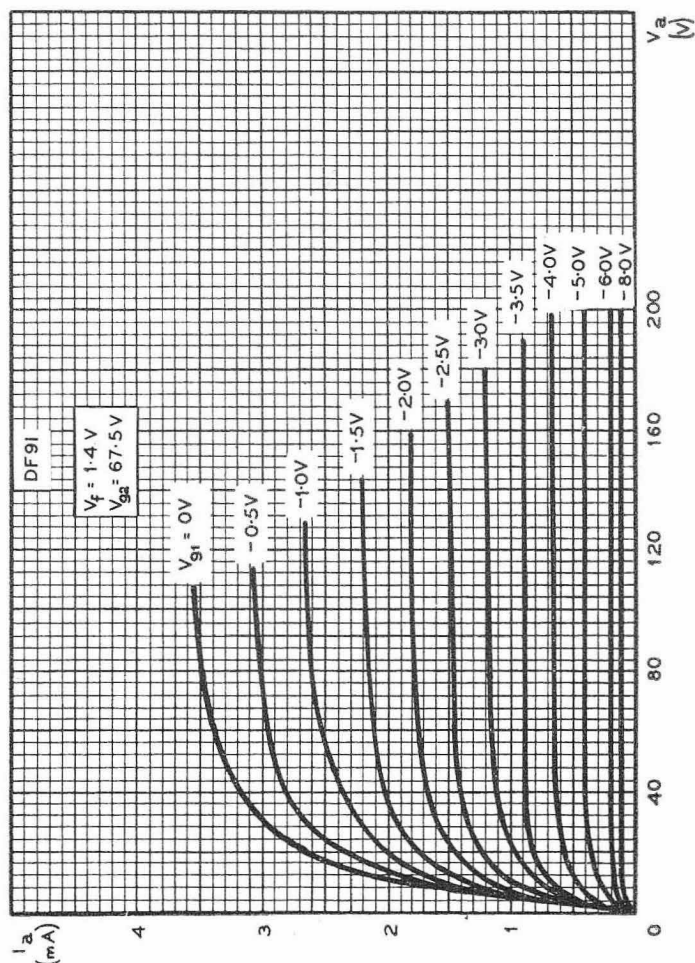
B7G BASE



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ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE
WITH CONTROL-GRID VOLTAGE AS PARAMETER