

DOUBLE DIODE VARIABLE-MU R.F. PENTODE

EBF83

Double diode variable-mu pentode primarily intended for use in equipment operating directly from a 6V, 12V or 24V battery, on or off charge.

HEATER

V_h	6.3	V
I_h	300	mA

CAPACITANCES

$C_{a'd-g1}$	<0.8	mpF
$C_{a''d-g1}$	<1.0	mpF
$C_{a'd-a}$	<150	mpF
$C_{a''d-a}$	<25	mpF

Pentode section

C_{a-g1}	<2.5	mpF
C_{out}	5.2	pF
C_{in}	5.0	pF

Diode sections

$C_{a'd-k}$	2.5	pF
$C_{a''d-k}$	2.5	pF
$C_{a'd-a''d}$	<250	mpF

CHARACTERISTICS

V_a	6.3	12.6	25	V
V_{g3}	0	0	0	V
V_{g2}	6.3	12.6	25	V
V_{g1}	†	†	†	
I_a	0.12	0.45	1.7	mA
I_{g2}	40	140	500	μA
g_m	0.45	1.0	2.1	mA/V
r_a	0.65	1.0	0.2	MΩ

†Obtained by grid current biasing with $R_{g1} = 2.2M\Omega$.

LIMITING VALUES

Pentode section

V_a max.	50	V
V_{g2} max.	50	V
I_k max.	5.0	mA
R_{g1-k} max.	5.0	MΩ
V_{h-k} max.	50	V

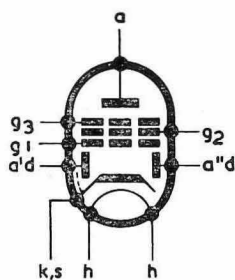
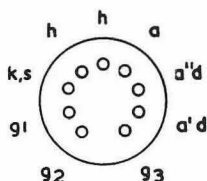
Diode sections (each section)

I_{ad} max.	800	μA
$i_{ad(pk)}$ max.	5.0	mA

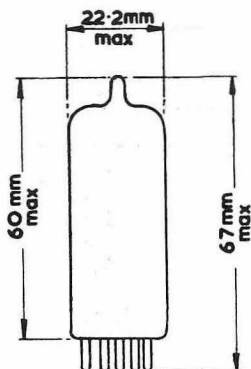
EBF83

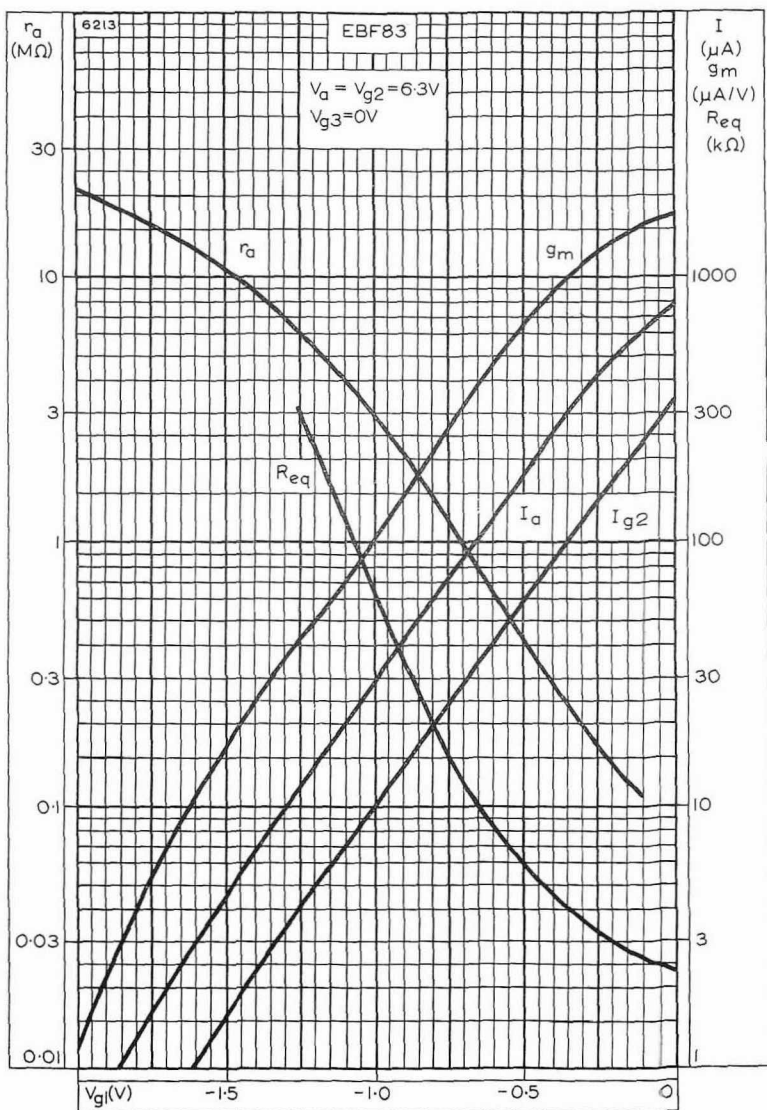
DOUBLE DIODE VARIABLE-MU
R.F. PENTODE

6070



B9A Base

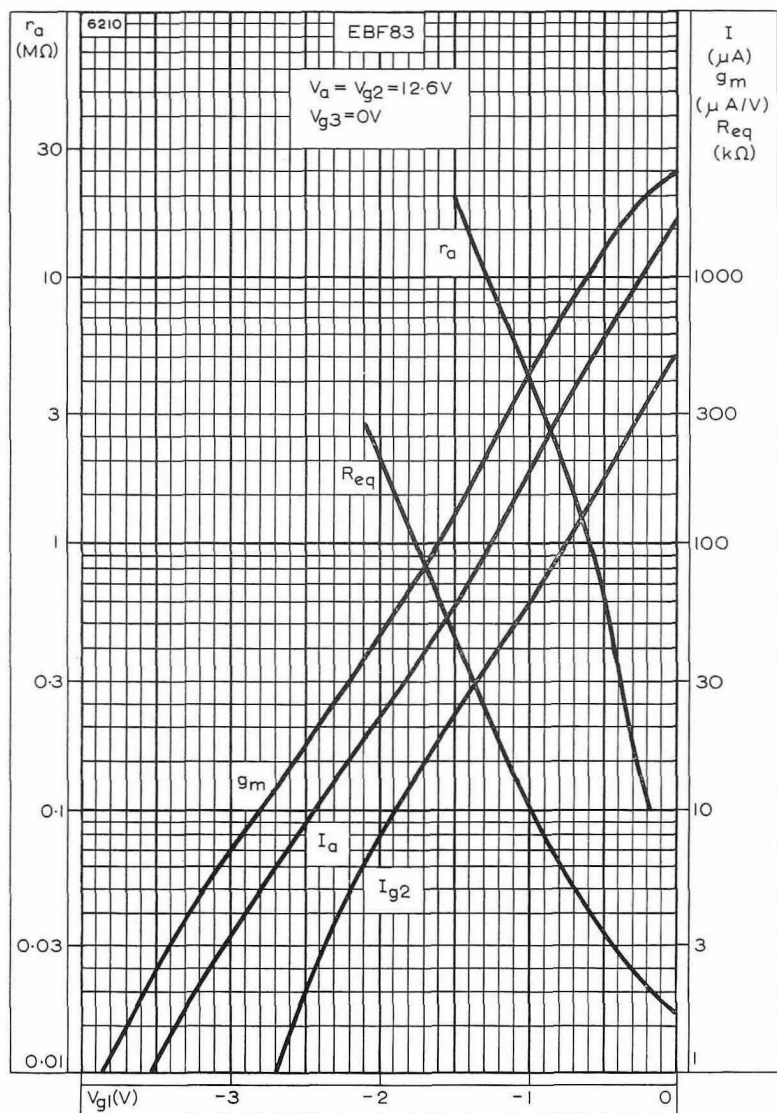




ANODE AND SCREEN-GRID CURRENTS, MUTUAL CONDUCTANCE, ANODE IMPEDANCE AND EQUIVALENT NOISE RESISTANCE PLOTTED AGAINST CONTROL-GRID VOLTAGE. $V_a = V_{g2} = 6.3V$

EBF83

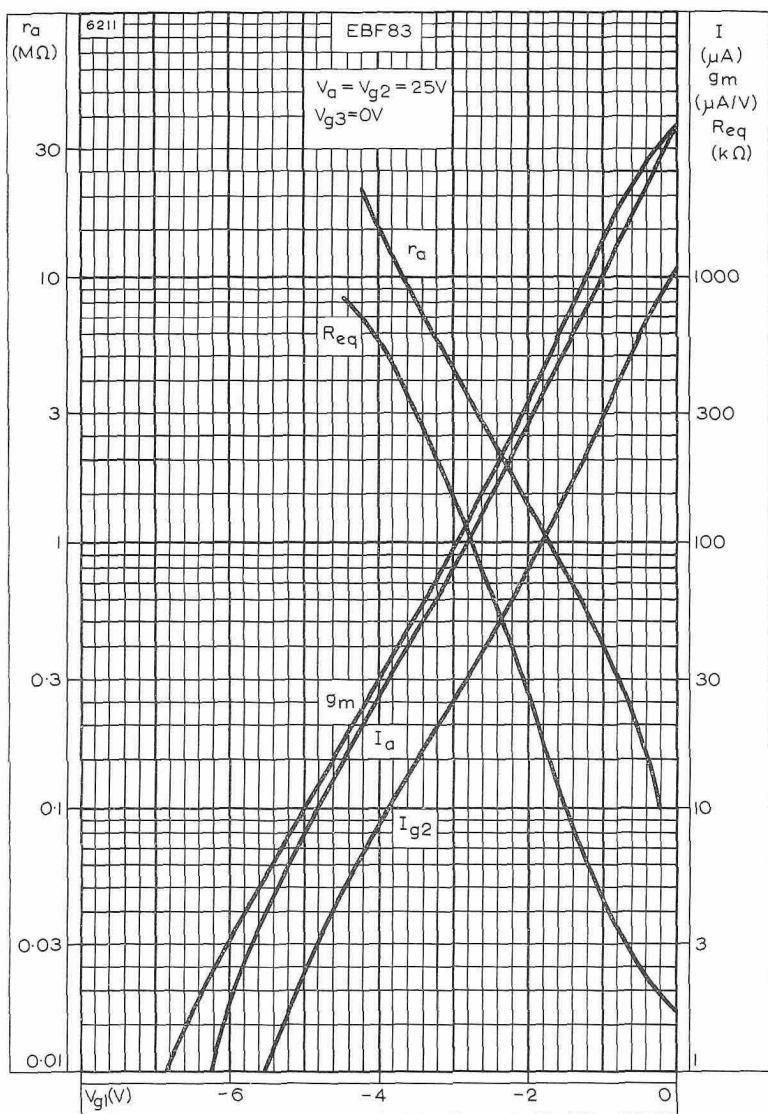
DOUBLE DIODE VARIABLE-MU R.F. PENTODE



ANODE AND SCREEN-GRID CURRENTS, MUTUAL CONDUCTANCE, ANODE IMPEDANCE AND EQUIVALENT NOISE RESISTANCE PLOTTED AGAINST CONTROL-GRID VOLTAGE. $V_a = V_{g2} = 12.6V$

**DOUBLE DIODE VARIABLE-MU
R.F. PENTODE**

EBF83



ANODE AND SCREEN-GRID CURRENTS, MUTUAL CONDUCTANCE,
ANODE IMPEDANCE AND EQUIVALENT NOISE RESISTANCE PLOTTED
AGAINST CONTROL-GRID VOLTAGE. $V_a = V_{g2} = 25V$

