

V.H.F. PENTODE

EF95

Low noise, high slope pentode primarily intended for use as an r.f. and i.f. amplifier.

HEATER

V_h	6.3	V
I_h	175	mA

CAPACITANCES

	Unshielded	Shielded	
Pentode connection			
C_{in}	4.0	4.0	pF
C_{out}	2.2	3.1	pF
C_{a-g1}	23	< 20	mpF
C_{h-k}	2	2	pF
Triode connection			
C_{in}	2.7	2.8	pF
C_{out}	4.2	5.1	pF
C_{a-g}	1.4	1.4	pF

CHARACTERISTICS

Pentode connection

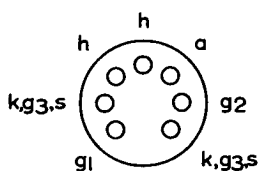
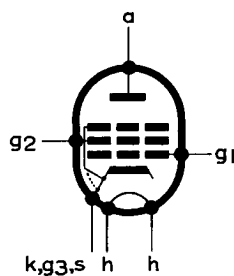
V_a	120	180	V
V_{g2}	120	120	V
I_a	7.5	7.7	mA
I_{g2}	2.5	2.4	mA
V_{g1}	-2.0	-2.0	V
g_m	5.0	5.1	mA/V
r_a	250	400	k Ω
μ_{g1-g2}	35	35	
R_{eq}	2	2	k Ω
r_{g1} ($f = 50\text{Mc/s}$)	25	25	k Ω

Triode connection

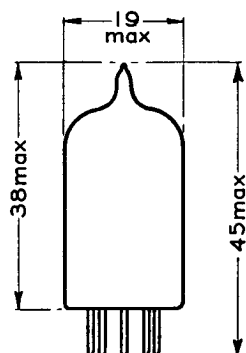
V_a	120	V
I_a	10	mA
V_g	-2	V
g_m	6.8	mA/V
r_a	5.2	k Ω
μ	35	
R_{eq}	900	Ω

DESIGN CENTRE RATINGS

$V_{a(b)}$ max.	300	V
V_a max.	180	V
p_a max.	1.7	W
$V_{g2(b)}$ max.	300	V
V_{g2} max.	140	V
p_{g2} max.	500	mW
$-V_{g1}$ max.	50	V
R_{g1-k} max.	3.0	M Ω ←
I_k max.	18	mA
V_{h-k} max.	120	V
T_{bulb} max.	170	°C

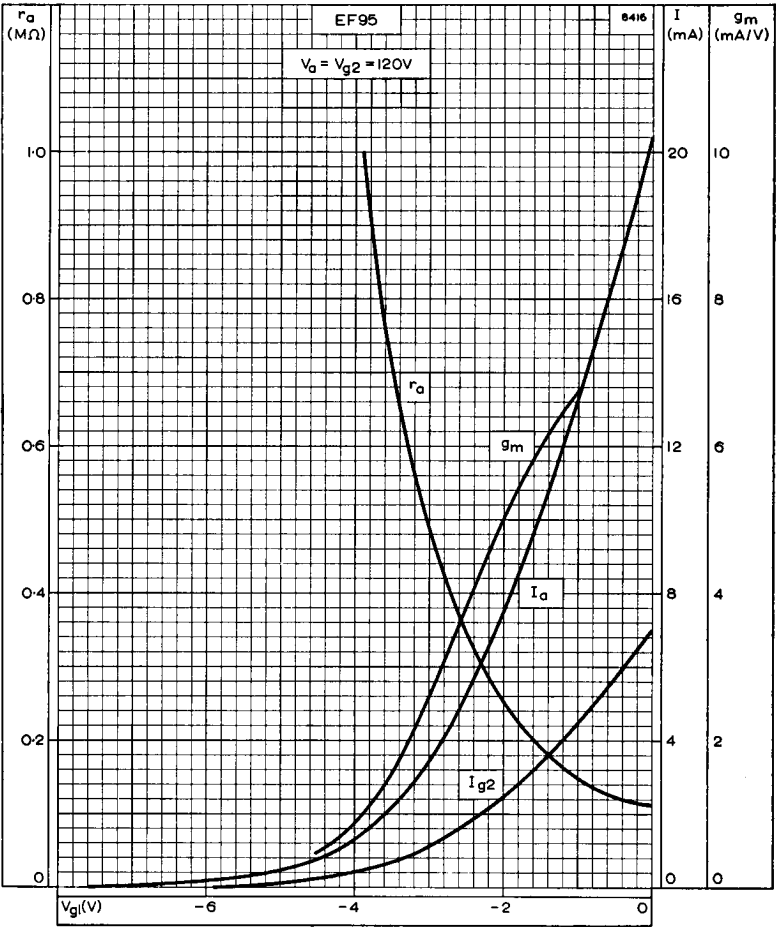


B7G Base

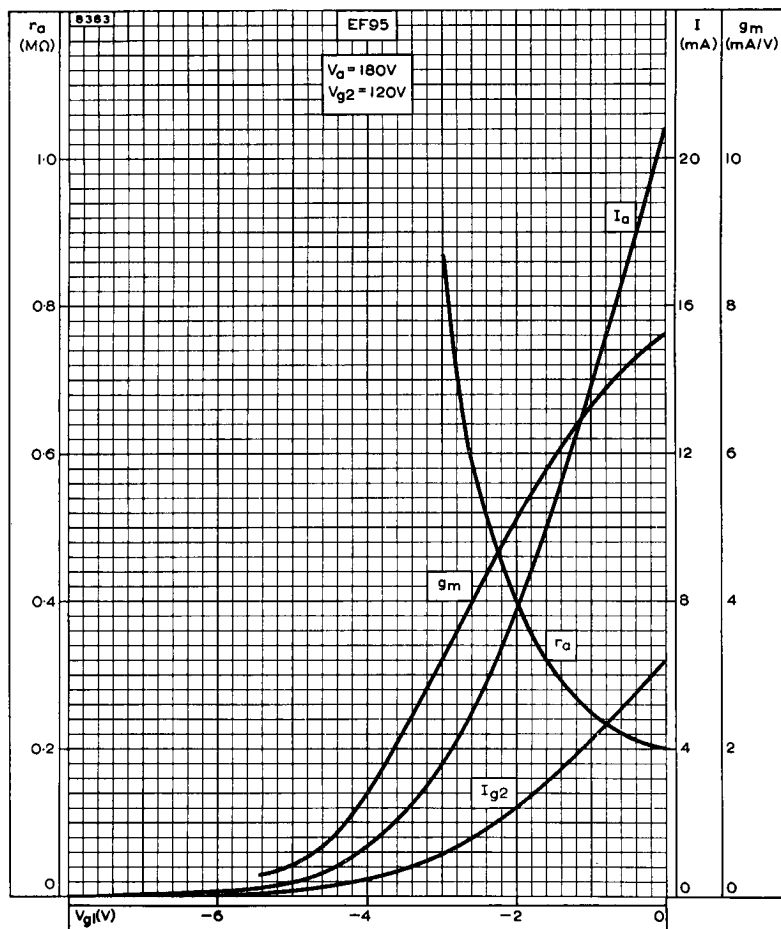


4748

All dimensions in mm

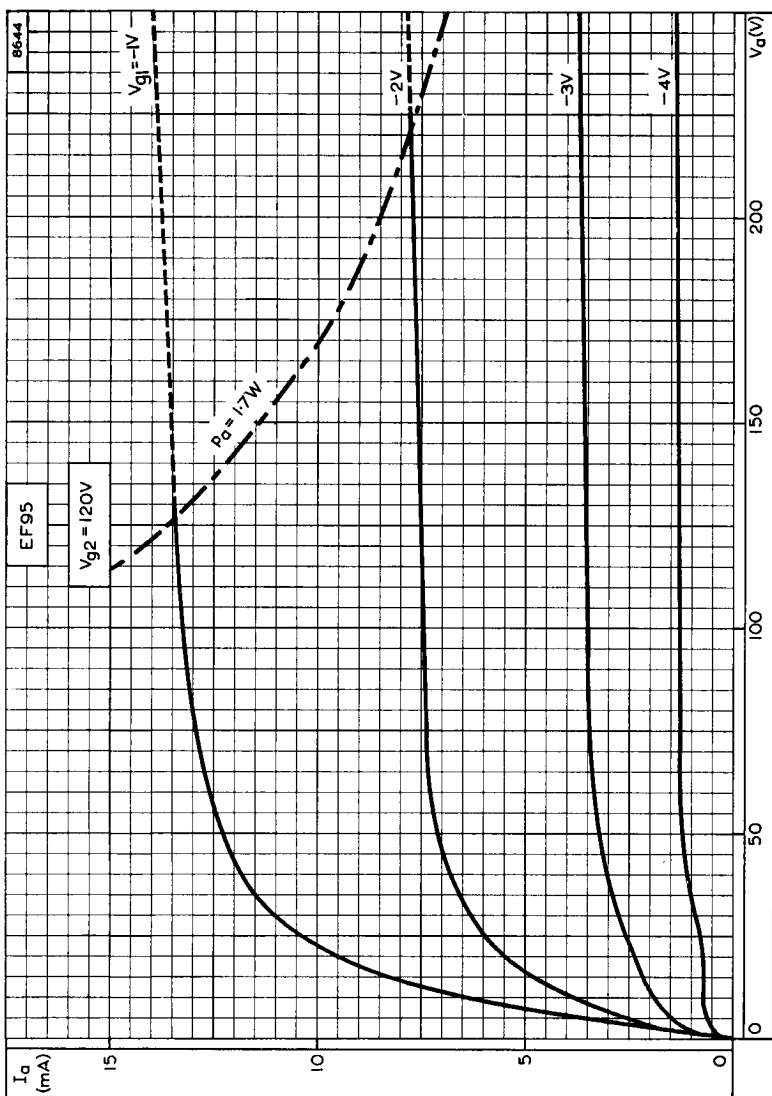


ANODE CURRENT, SCREEN-GRID CURRENT, MUTUAL CONDUCTANCE
AND ANODE IMPEDANCE PLOTTED AGAINST CONTROL-GRID VOLTAGE.
 $V_{ik} = 120V$

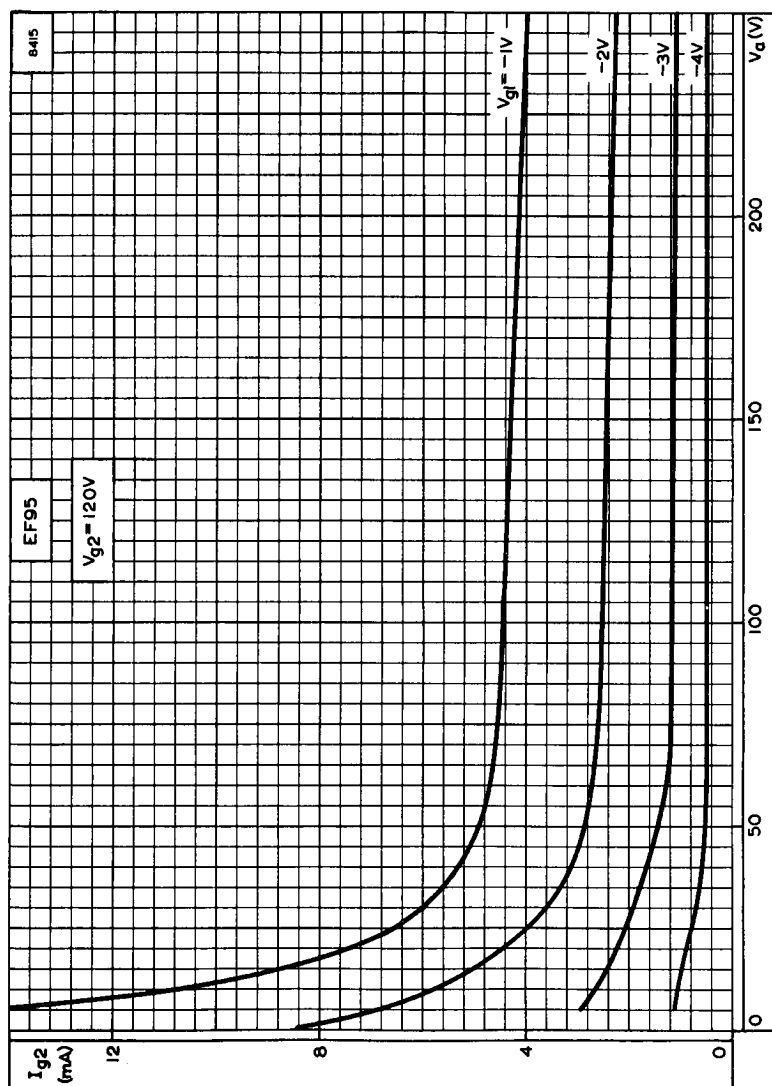


ANODE CURRENT, SCREEN-GRID CURRENT, MUTUAL CONDUCTANCE AND ANODE IMPEDANCE PLOTTED AGAINST CONTROL-GRID VOLTAGE.

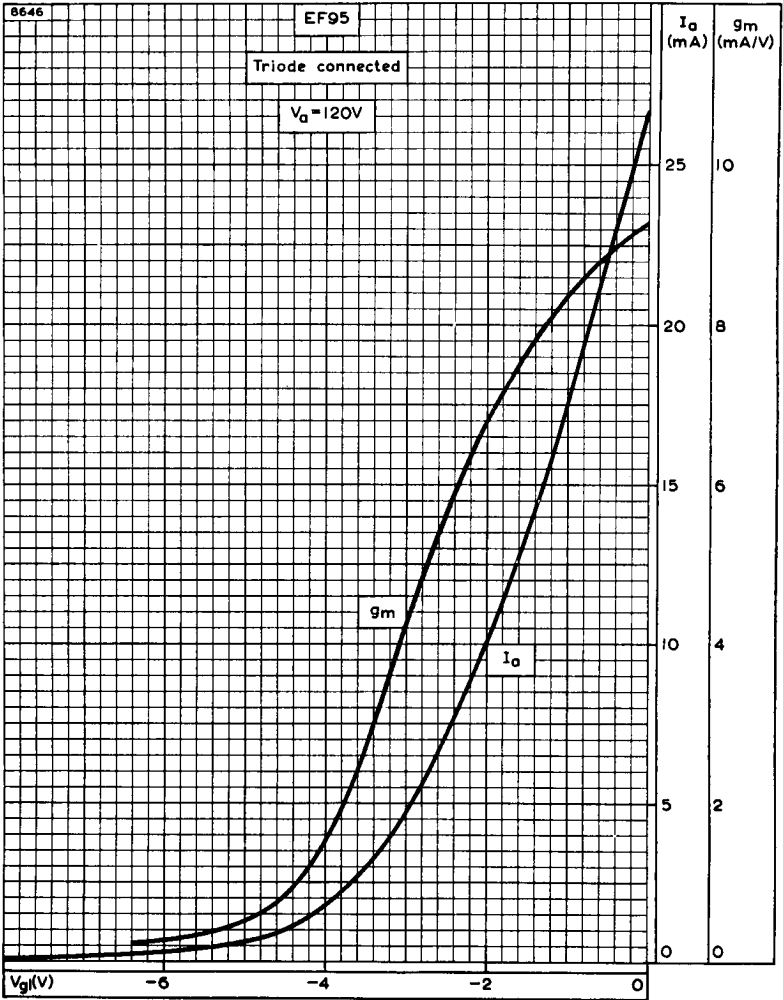
$V_a = 180V$



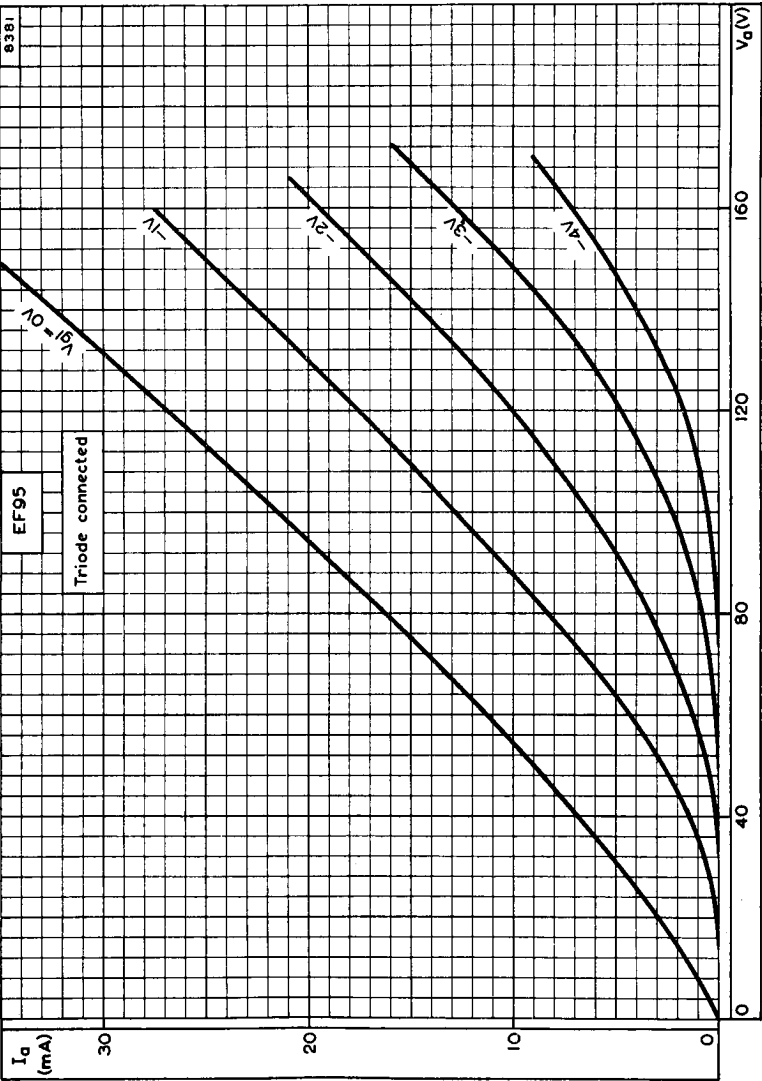
ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE
WITH CONTROL-GRID VOLTAGE AS PARAMETER



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



ANODE CURRENT AND MUTUAL CONDUCTANCE PLOTTED AGAINST
CONTROL-GRID VOLTAGE, WHEN TRIODE CONNECTED



ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE
WITH CONTROL-GRID VOLTAGE AS PARAMETER,
WHEN TRIODE CONNECTED

