

4 VALVE DATA PREFERRED TYPES

A VOLTAGE AMPLIFYING PENTODES

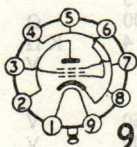
EF 54 (contd.)

OPERATING CONDITIONS

V_a	250	V
V_{g2}	250	V
V_{g1}	-1.7	V
R_k	150	Ω
I_a	10	mA
I_{g2}	1.45	mA
g_m	7.7	mA/V
r_a	0.5	M Ω
μ_{g1-g2}	80	
R_{eq}	700	Ω
Input damping (50 Mc/s)	10,000	Ω

LIMITING VALUES

$V_{a(b)}$ max.	550	V
V_a max.	300	V
p_a max.	3	W
$V_{g2(b)}$ max.	550	V
V_{g2} max.	300	V
p_{g2} max.	1.7	W
I_k max.	15	mA
V_{h-k} max.	100	V
Max. operating frequency	250	Mc/s



BASE:
B9G

DIMENSIONS:
L=78 mm
D=38 mm

EF 55

Video pentode with sharp cut-off characteristics

HEATER

V_h 6.3 V I_h 1.0 A

CAPACITANCES

C_{in}	15	$\mu\mu F$
C_{out}	12	$\mu\mu F$
C_{a-g1}	0.15	$\mu\mu F$

OPERATING CONDITIONS

V_a	250	V
V_{g2}	250	V
V_{g1}	-4.5	V
I_a	10	mA
I_{g2}	1.0	mA
R_k	390	Ω
g_m	7	mA/V
μ_{g1-g2}	27	
r_a	100	K Ω

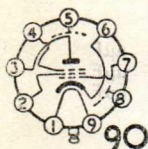


VALVE DATA PREFERRED TYPES **4** VOLTAGE AMPLIFYING PENTODES **A**

LIMITING VALUES

$V_{a(b)}$ max.	500	V
V_a max.	300	V
$V_{g2(b)}$ max.	300	V
V_{g2} max.	250	V
p_a max.	10	W
p_{g2} max.	2	W
$i_{k(pk)}$ max. with 50 μ sec. 500 c/s pulse	1.5	A
V_{h-k} max.	150	V
R_{g1-k} max.	0.7	M Ω

EF 55
(contd.)



BASE:
B9G

DIMENSIONS:
L=100 mm
D=38 mm

H.F. pentode for use as amplifier or mixer in television receivers

EF 80

HEATER

V_h 6.3 V I_h 0.3 A Suitable for series or parallel operation

CAPACITANCES

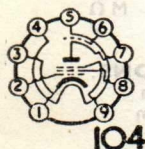
C_{in}	7.5	$\mu\mu F$
C_{out}	3.3	$\mu\mu F$
C_{a-g1} (approx.)	<0.007	$\mu\mu F$
C_{a-k} (approx.)	<0.03	$\mu\mu F$

CHARACTERISTICS

V_a	170	V
V_{g2}	170	V
V_{g3}	0	V
I_a	10	mA
I_{g2}	2.5	mA
V_{g1}	-2.0	V
g_m	7.4	mA/V
r_a	0.4	M Ω
μ_{g1-g2}	50	
R_{eq}	1,000	Ω
Input damping at 50 Mc/s	12	K Ω

LIMITING VALUES

$V_{a(b)}$ max.	550	V
V_a max.	250	V
p_a max.	2.5	W
$V_{g2(b)}$ max.	550	V
V_{g2} max.	250	V
p_{g2} max.	0.65	W
I_k max.	15	mA
R_{g1-k} max.	1.0	M Ω
V_{h-k} max.	150	V



BASE:
B9A
(Noval)

DIMENSIONS:
L=67 mm
D=22.2 mm

