

VALVE DATA 4 PREFERRED TYPES A

VOLTAGE AMPLIFYING PENTODES

Short-wave R.F. pentode with sharp cut-off characteristics

EF 50

HEATER

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

CAPACITANCES

Valve cold

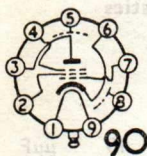
C_{a-g1}	<0.007	$\mu\mu\text{F}$
C_{g1-g2}	2.4	$\mu\mu\text{F}$
C_{in}	8.3	$\mu\mu\text{F}$
C_{out}	5.2	$\mu\mu\text{F}$

OPERATING CONDITIONS

V_a	250	V
V_{g2}	250	V
V_{g1}	-2	V
V_{g3}	0	V
R_k	150	Ω
I_a	10	mA
I_{g2}	3	mA
g_m	6.5	mA/V
r_a	1	M Ω
μ_{g1-g2}	75	
R_{eq}	1,400	Ω
Input damping at 50 Mc/s	4	K Ω
V_{g3} ($I_m=0.45$ mA/V)	-54	V

LIMITING VALUES

$V_{a(b)}$ max.	550	V
V_a max.	300	V
p_a max.	3	W
I_k max.	15	mA
$V_{g2(b)}$ max.	550	V
V_{g2} max.	300	V
p_{g2} max.	1.7	W
R_{g1-k} max.	3	M Ω
V_{h-k} max.	100	V



BASE:
B9G

DIMENSIONS:
L=78 mm
D=38 mm

V.H.F. pentode with sharp cut-off characteristics

EF 54

HEATER

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

CAPACITANCES

C_{a-g1}	<0.02	$\mu\mu\text{F}$
C_{g1-g2}	2.2	$\mu\mu\text{F}$
C_{in}	6.2	$\mu\mu\text{F}$
C_{out}	4.9	$\mu\mu\text{F}$



4 VALVE DATA PREFERRED TYPES

A VOLTAGE AMPLIFYING PENTODES

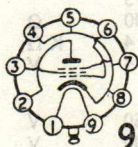
EF 54 (contd.)

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

