

6K8G **6K8GT(Cont.)**

TRIODE HEXODE **FREQUENCY CHANGER**

OPERATING CONDITIONS: Hexode Section

V_a	100	250	V
V_{g2+g4}	100	100	V
V_{g3}	-3.0	-3.0	V
I_a	2.3	2.5	mA
I_{g2}	6.2	6.0	mA
R_k	220	300	Ω
r_a	400	600	$k\Omega$
g_m	330	360	$\mu A/V$
$*V_{g3}$	-30	-30	V

*For 100 : 1 reduction in g_m .

REPLACEMENT FOR:

X65—6K8G. Change triode grid leak to 47k Ω . Receiver may require realigning.
6J8G—6K8G. Bias may require adjustment and receiver realigning.

6L6G

OUTPUT PENTODE

HEATER

V_h	6.3	V
I_h	900	mA

DIMENSIONS

Max. Overall Length	135	mm
Max. Seated Height	121	mm
Max. Diameter	52.5	mm

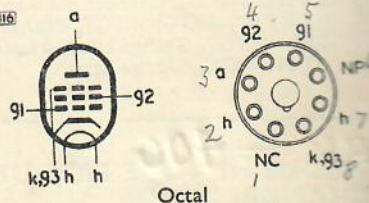
LIMITING VALUES

V_a max.	360	V
p_a max.	19	W
V_{g2} max.	270	V
p_{g2} max.	2.5	W

CHARACTERISTICS

V_a	250	350	V
V_{g2}	250	250	V
V_{g1}	-14	-18	V
I_a	72	54	mA
I_{g2}	5.0	2.5	mA
g_m	6.0	5.2	mA/V
r_a	22.5	33	$k\Omega$

B 316



Octal

OPERATING CONDITIONS (As single valve class "A" amplifier)

V_a	250	350	V
V_{g2}	250	250	V
V_{g1}	-14	-18	V
I_a	72	54	mA
I_a (max. sig.)	79	66	mA
I_{g2}	5.0	2.5	mA
I_{g2} (max. sig.)	7.3	6.0	mA
R_k	170	300	Ω
R_a	2.5	4.2	$k\Omega$
P_{out}	6.5	11	W
D_{tot}	10	15	%

OPERATING CONDITIONS FOR TWO VALVES IN PUSH-PULL

	Class A	Class AB1	
V_a	250	360	V
V_{g2}	250	270	V
V_{g1}	-16	-22.5	V
I_a	2 x 60	2 x 44	mA
I_a (max. sig.)	2 x 70	2 x 50	mA
I_{g2}	2 x 5.0	2 x 2.5	mA
I_{g2} (max. sig.)	2 x 8.0	2 x 8.5	mA
$*R_k$	125	250	Ω
R_{a-a}	5.0	9.0	$k\Omega$
P_{out}	14	24	W
D_{tot}	2.0	4.0	%

*Common cathode bias resistor

REPLACEMENT FOR: 6L6GA—Direct

