

Octode with variable-mu characteristics

EK 32

HEATER

V_h 6.3 V I_h 0.2 A Suitable for series or parallel operation

CAPACITANCES

C_{1a}	9.0 μF	C_{a-g_4}	<0.1 μF
C_{out}	10.5 μF	C_{g_1-all}	6.0 μF
		C_{g_2-all}	5.0 μF

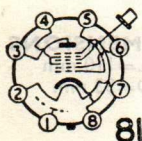
OPERATING CONDITIONS

(See Fig. 8, page 58)

	Medium and Long Wave	Short Wave	
V_a	250	250	V
V_{g_2}	200	200	V
$V_{g_3+g_5}$	50	80	V
V_{g_4}	-2	-4	V
R_1	22	22	K Ω
R_2	6.8	15	K Ω
R_k	470	430	Ω
R_{g_1-k}	47	15	K Ω
R_{g_2}	22	10	K Ω
$V_{i=0} (r, m, s,)$	15	5	V
I_{g_1}	300	275	μA
I_a	1.0	2.3	mA
I_a ($V_{g_4} = -25\text{V}$)	<0.015		mA
I_{g_2}	2.5	5.3	mA
$I_{g_3+g_5}$	0.8	1.9	mA
g_o	0.55	0.65	0.5 mA/V
g_o ($V_{g_4} = -25\text{V}$)	<0.002		mA/V
r_a	2.0	0.9	M Ω
r_a ($V_{g_4} = -25\text{V}$)	>10		M Ω

LIMITING VALUES

V_{a, b_1} max.	550	V	$P_{g_3+g_5}$ max.	0.3	W
V_a max.	250	V	$V_{g_2(b_1)}$ max.	550	V
P_a max.	1.0	W	V_{g_2} max.	225	V
$P_{g_3+g_5(b_1)}$ max.	550	V	P_{g_2} max.	1.3	W
$V_{g_3+g_5}$ max.	125	V	I_k max.	12	mA



BASE :
Octal

DIMENSIONS :
 $L = 100$ mm
 $D = 63$ mm

4 VALVE DATA

PREFERRED TYPES

B FREQUENCY CHANGERS

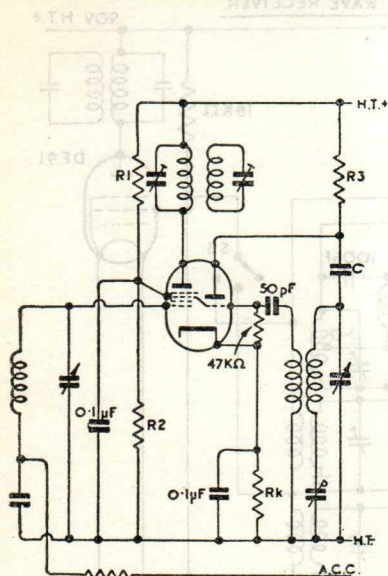


Fig. 7. A.C. Mains-operated Frequency Changer using CCH35, ECH35, ECH42 or UCH42 Triode-Hexode

Fig. 8. Mains - operated Frequency Changer using EK32 Octode

