Mullard

OCTODE FREQUENCY CHANGER

EK32

HEATER

This valve is suitable for DC/AC operation

V_h	6.3	V
I_h	0.2	A

CAPACITANCES

cin		9.0	uuF
cout		10.5	uuF
c_{g1-g4}	<	1.0	uuF
c_{g2-g4}	<	0.25	uuF
c_{a-g4}	<	0.1	uuF
c_{g1-all}		6.0	uuF
c_{g2-all}		5.0	uuF

OPERATING CONDITIONS FOR MEDIUM AND LONG WAVELENGTHS

V_a		250	V
V_{g2}		200	V
V_{g3+5}		50	V
R_{g1}		50,000	ohms
V_{g1} (rms)		15	V
I_{g1}		300	uA
I_a (V_{g4}=-2V)		1	mA
I_a (V_{g4}=-25V)	<	0.015	mA
I_{g2} (I_a=1mA)		2.5	mA
I_{g3+5} (I_a=1mA)		0.8	mA
g_c (I_a=1mA)		0.55	mA/V
g_c (V_{g4}=-25V)	<	0.002	mA/V
r_a (I_a=1mA)		2	megohms
r_a (V_{g4}=-25V)	>	10	megohms

OPERATING CONDITIONS FOR SHORT WAVELENGTHS.

V_a	250	250	V
V_{g2}	200	200	V
V_{g3+5}	80	80	V
R_{g1}	16,000	50,000	ohms
V_{g1} (rms)	5	9	V
I_{g1}	275	200	uA
V_{g4}	-4	-4	V
I_a	2.3	1.7	mA
I_{g2}	5.3	4.0	mA
I_{g3+5}	1.9	1.3	mA
g_c	0.65	0.5	mA/V
r_a	0.9	1.4	megohms

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LIMITING VALUES

$V_{a(b)max}$	550	V
V_{a} max	250	V
w_{a} max	1.0	W
$V_{g3+5(b)max}$	550	V
V_{g3+5} max	125	V
I_{g2} min	2.0	mA*
I_{g2} max	3.0	mA*
I_{g3+5} min	0.6	mA*
I_{g3+5} max	1.0	mA*
I_{g2} min	4.2	mA**
I_{g2} max	6.4	mA**
I_{g3+5} min	1.5	mA**
I_{g3+5} max	2.3	mA**
I_{g2} min	3.2	mA***
I_{g2} max	4.8	mA***
I_{g3+5} min	1.0	mA***
I_{g3+5} max	1.6	mA***
w_{g3+5} max	0.3	W
R_{g4} max	2.5	megohms
V_{g4max} (I_{g4}=0.3uA)	-1.3	V
$V_{g2(b)}$	550	V
w_{g2} max	1.3	W
R_{g1} max	100,000	ohms
I_{k} max	12	mA
R_{h-k} max	5000	ohms
V_{h-k} max	50	V
V_{g2} max	225	V

* Medium and long wave operation (V_{g1} = 15V.rms)
** Short wave operation (V_{g1} = 5V.rms)
***Short wave operation (V_{g1} = 9V.rms)

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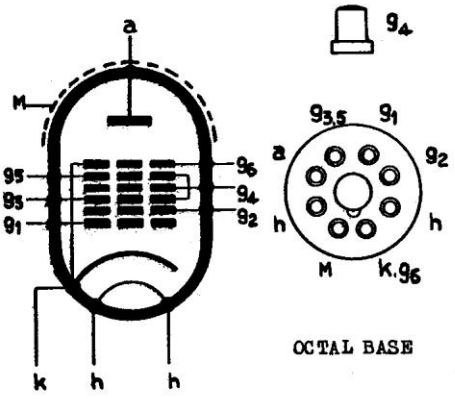
DIMENSIONS

ARRANGEMENT OF ELECTRODES AND BASE CONNECTIONS



OCTAL BASE