

FC13

OCTODE FREQUENCY CHANGER

Octode frequency changer for use in d.c./a.c. mains superheterodyne receivers.

FC13C

Except for basing and dimensions the FC13 and FC13C are identical.

HEATER

I_h	200	mA
V_{lt}	13	V

CAPACITANCES

C_{i4}	< 0.1	pF
C_{i11}	9.0	pF
C_{out}	12.5	pF
C_{g1-k}	9.4	pF
C_{g2-k}	6.1	pF
C_{g1-g4}	< 0.35	pF
C_{g2-g4}	< 0.25	pF

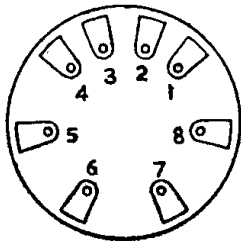
CHARACTERISTICS

V_a	200	V
V_{g2}	90	V
V_{g3+g5}	70	V
I_a	1.6	mA
I_{g2}	2.0	mA
I_{g3+g5}	3.8	mA
V_{g4}	-1.5	V
g_c	600	$\mu A/V$
R_{jk}	250	Ω
$V_{osc(pk)}$	12	V

LIMITING VALUES

V_a max.	200	V
V_{g2} max.	90	V
V_{g3+g5} max.	90	V
R_{g4-k} max.	2	$M\Omega$

CONNECTIONS—FC13



Viewed from underside
of valve base

Contact No.	1	Metallising
"	2	Heater
"	3	Heater
"	4	Cathode and suppressor grid (g_6)
"	5	Oscillator anode (g_2)
"	6	Oscillator grid (g_1)
"	7	Screen grid (g_{3+5})
"	8	Anode
Top cap		Control grid (g_4)

DIMENSIONS—FC13

Overall length	118	mm
Overall diameter	47	mm

The basing and connections of the FC13C are identical to the FC4