MINIATURE DIODE TRIODE

EAC91

Oscillator triode combined with a single diode for use as a frequency changer.

HEATER

V_h	6.3	V
I_h	0.3	A

CAPACITANCES

c_{in}	1.7	μμF
c_{out}	0.4	μμF
c_{at-g}	1.6	μμF
c_{g-ad}	<0.1	μμF
c_{at-ad}	0.4	μμF
c_{ad-kd}	1.5	μμF
c_{kt-kd}	0.4	μμF

CHARACTERISTICS (Triode Section)

V_a	200	V
I_a	7.5	mA
V_g	-2.8	V
S_m	2.8	mA/V
μ	36	
r_a	12,800	Ω

OPERATING CONDITIONS AS U.H.F. FREQUENCY CHANGER

See circuit overleaf

Coil data -

L_1	Turns	3½
	Coil diameter	10 mm.
	Coil length	7 mm.
	Dia. of wire	1 mm.
L_2	Dust cored, to tune to intermediate frequency.	
L_3) L_4)	Dependent upon signal frequency.	

LIMITING VALUES

Triode Section	V_a max.	250	V
	w_a max.	2	W
	I_k max.	10	mA
	V_{h-k} max.	50	V
Diode Section	V_a max.	50	V
	I_a max.	5	mA
	Max. Operating Frequency as Frequency Changer	300	Mc/s
	Limiting Frequency of Oscillation	600	Mc/s

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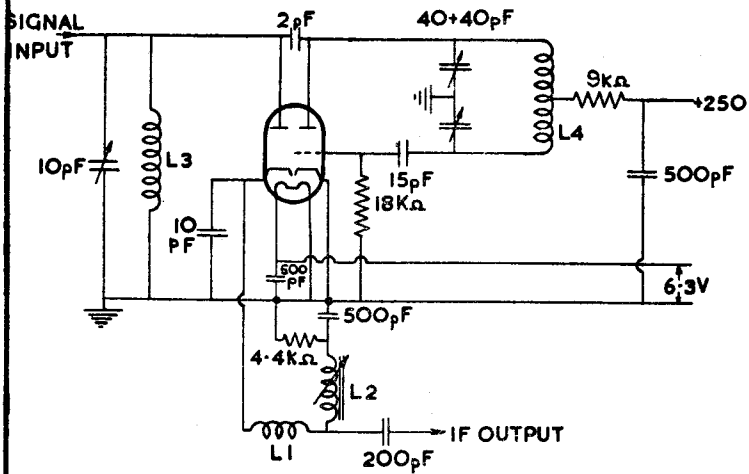
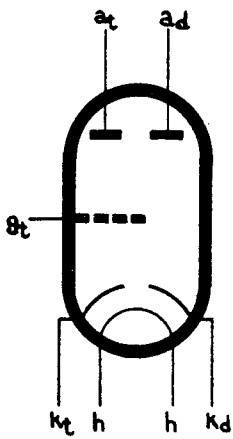
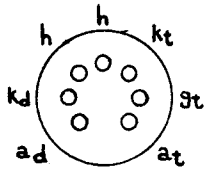
UHF FREQUENCY CHANGER CIRCUIT FOR USE UP TO 300Mc/s.

INTERMEDIATE FREQUENCY 12 TO 45 Mc/s.



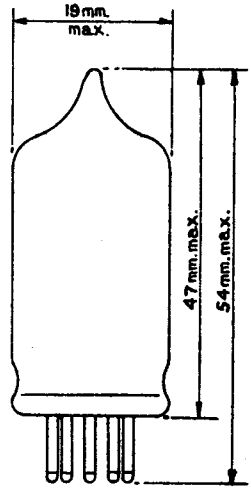
ARRANGEMENT OF ELECTRODES AND BASE CONNECTIONS





B7G BASE

DIMENSIONS



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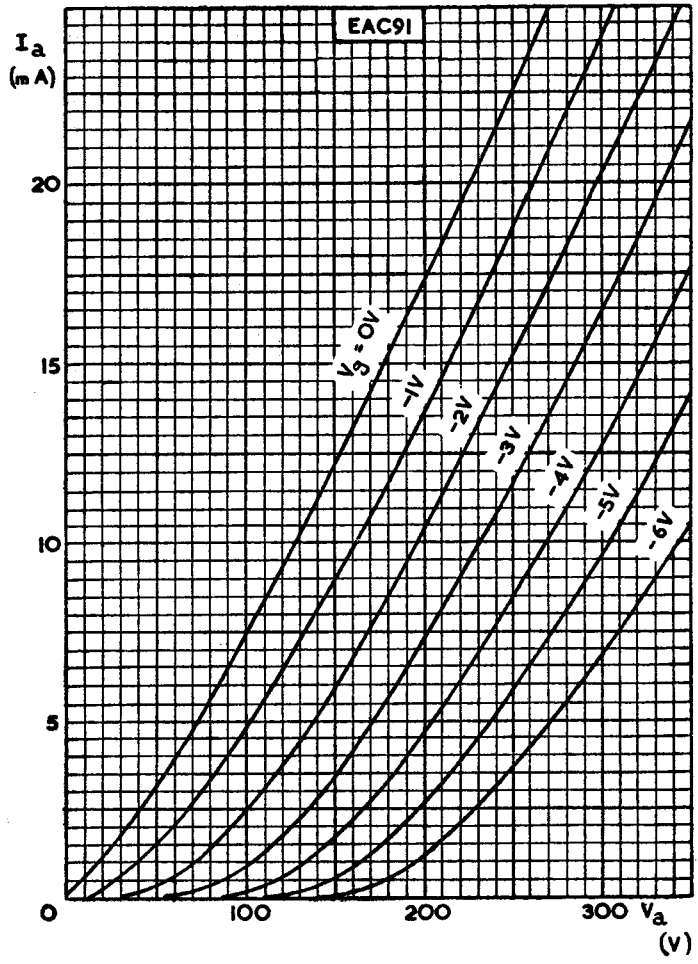

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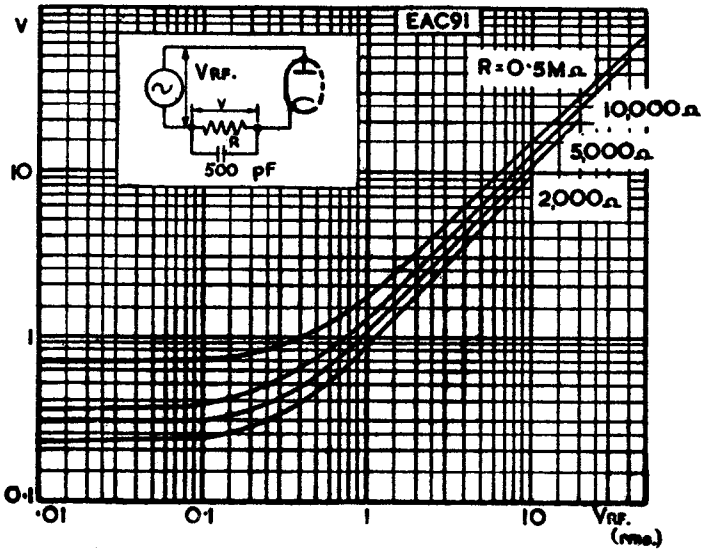

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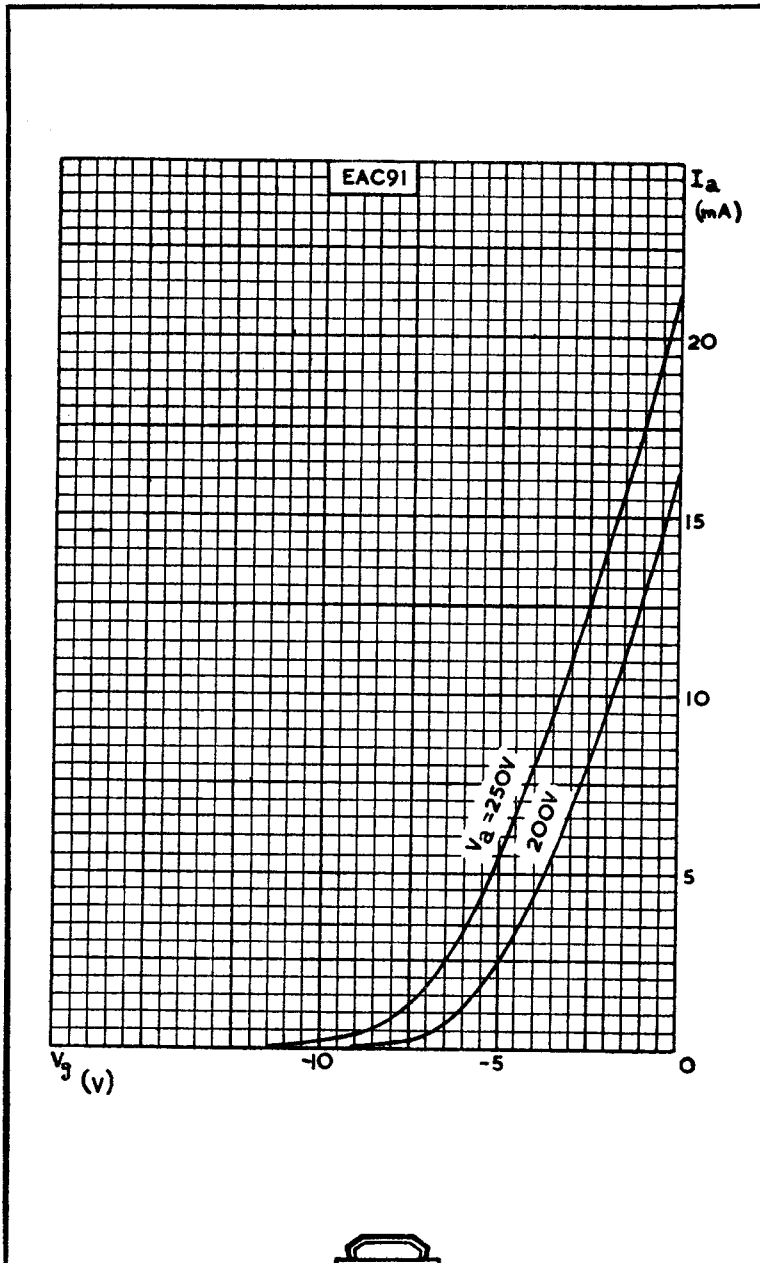

Mullard