MINIATURE V.H.F. DOUBLE TRIODE

ECC91

Double triode with common cathode for use as R.F. power amplifier or oscillator.

HEATER

V_h	6.3	V
I_h	0.45	A

CAPACITANCES (Each Unit)

c_{a-g}	1.6	μμF
c_{in}	2.2	μμF
c_{out}	0.4	μμF

CHARACTERISTICS. (Each Unit)

V_a	100	V
I_a	8.5	mA
R_k	100	Ω
S_m	5.3	mA/V
μ	38	
r_a	7,100	Ω

OPERATING CONDITIONS AS CLASS C TELEGRAPHY PUSH-PULL R.F. AMPLIFIER AND OSCILLATOR AT 80 Mc/s APPROX.

V_a	150	V
V_g *	-10	V
R_g	625	Ω
R_k	220	Ω
I_a	2x15	mA
I_g	2x8	mA
W_{drive}	0.35	W
W_{out}	3.5	W

* Obtained from a fixed supply or from a grid or cathode resistor of value shown.

NOTE: An output of 1 watt may be obtained from an ECC.91 in a push-pull oscillator at 250 Mc/s with V_a = 150V W_a = 2x1.5W and a common grid resistor of 2000 ohms.

LIMITING VALUES

V_a max	300	V
W_a max	2x1.5	W
V_g max	-40	V
I_g max	2x8	mA
V_{h-k} max	100	V
R_g max (self bias)	0.5	mΩ

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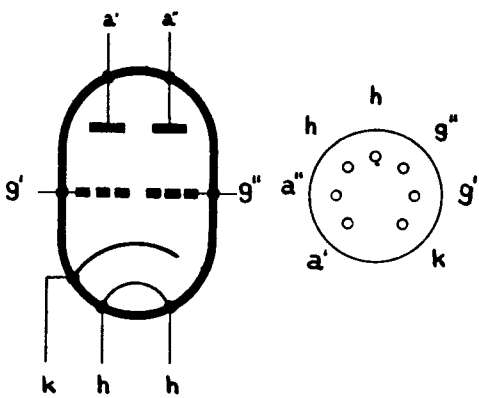
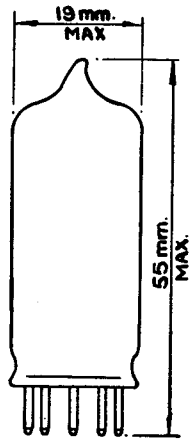
ARRANGEMENT OF ELECTRODES AND BASE CONNECTIONS



DIMENSIONS



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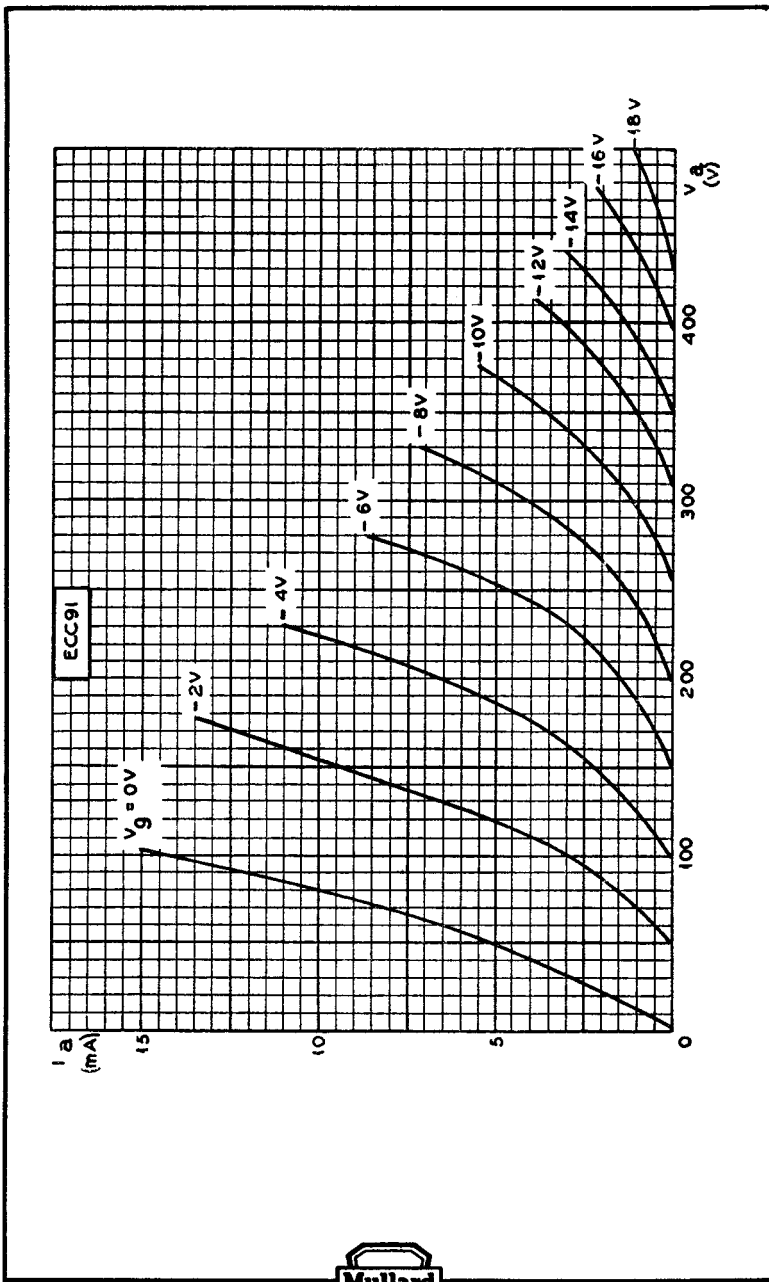

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