

# 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	$\mu\mu F$
$C_{in}$	2.2	$\mu\mu F$
$C_{out}$	0.4	$\mu\mu F$

## CHARACTERISTICS. (Each Unit)

$V_a$	100	V
$I_a$	8.5	mA
$R_k$	100	$\Omega$
$\xi_m$	5.3	mA/V
$\mu$	38	
$r_a$	7,100	$\Omega$

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	$\Omega$
$R_k$	220	$\Omega$
$I_a$	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	m $\Omega$

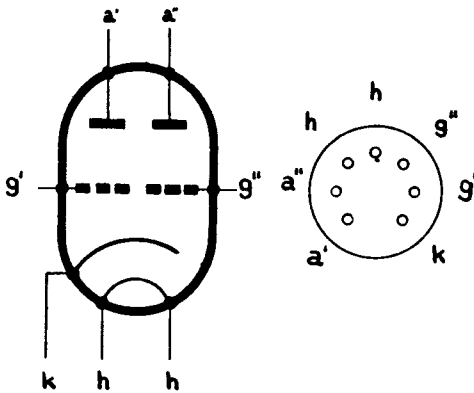


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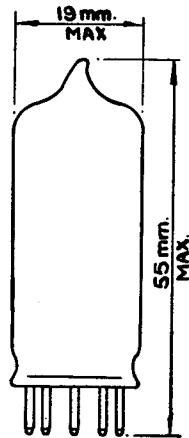
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ARRANGEMENT OF ELECTRODES  
AND BASE CONNECTIONS



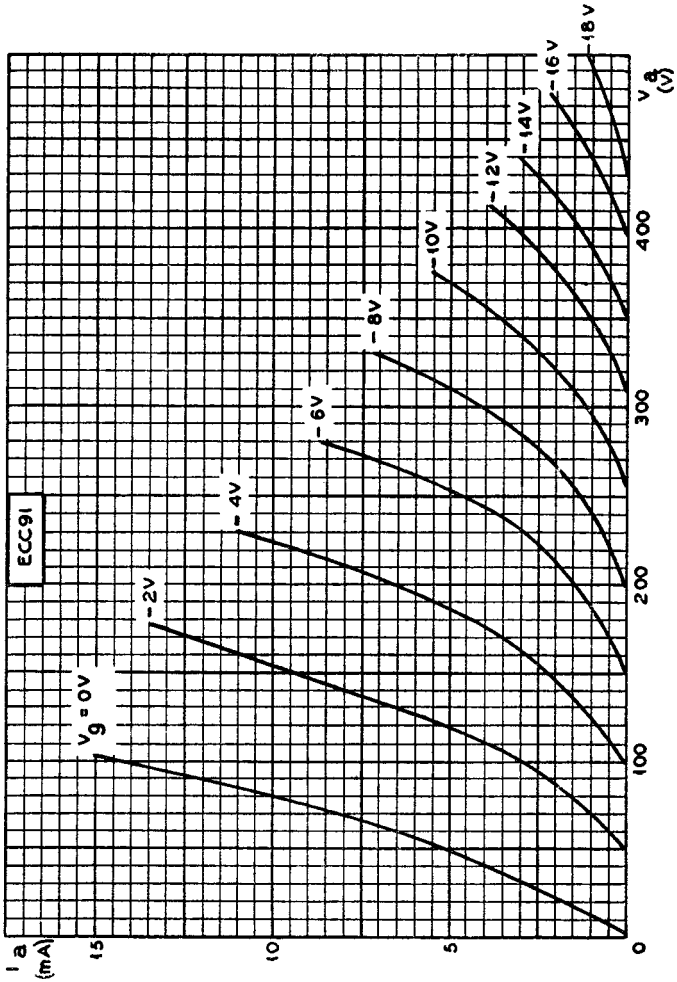
DIMENSIONS



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