

SUBMINIATURE U.H.F. TRIODE

EC71

Subminiature medium- μ triode intended for use as an oscillator at frequencies up to 500Mc/s.

HEATER

V_h	6.3	V
I_h	150	mA

MOUNTING POSITION

Any

Note—Direct soldered connections to the leads of this valve must be at least 5mm from the seal and any bending of the valve leads must be at least 1.5mm from the seal.

COOLING

In operation this valve may become very hot and to obtain satisfactory life it should be adequately cooled. A suitable method is to mount the valve in a metal clip which conducts the heat away to a suitable heat sink.

CAPACITANCES

	Shielded	Unshielded
C_{a-g}	1.2	1.3 pF
C_{in}	2.4	2.3 pF
C_{out}	2.3	0.8 pF

CHARACTERISTICS

V_a	100	V
I_a	8.5	mA
g_m	5.8	mA/V
r_a	4.7	k Ω
μ	27	
V_g	-1.3	V
$V_g(I_a = 10 \mu A)$	-7.0	V

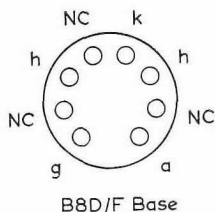
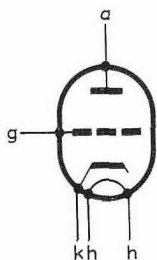
LIMITING VALUES (absolute ratings)

$V_{a(b)}$ max.	330	V
V_a max.	165	V
p_a max.	3.3	W
$-V_g$ max.	55	V
I_k max.	22	mA
I_g max.	5.5	mA
V_{h-k} max.	200	V

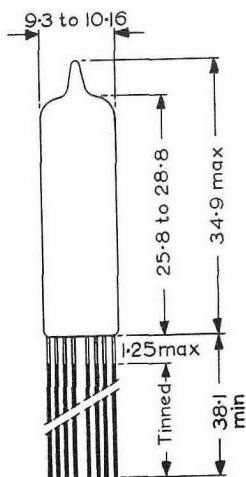
EC71

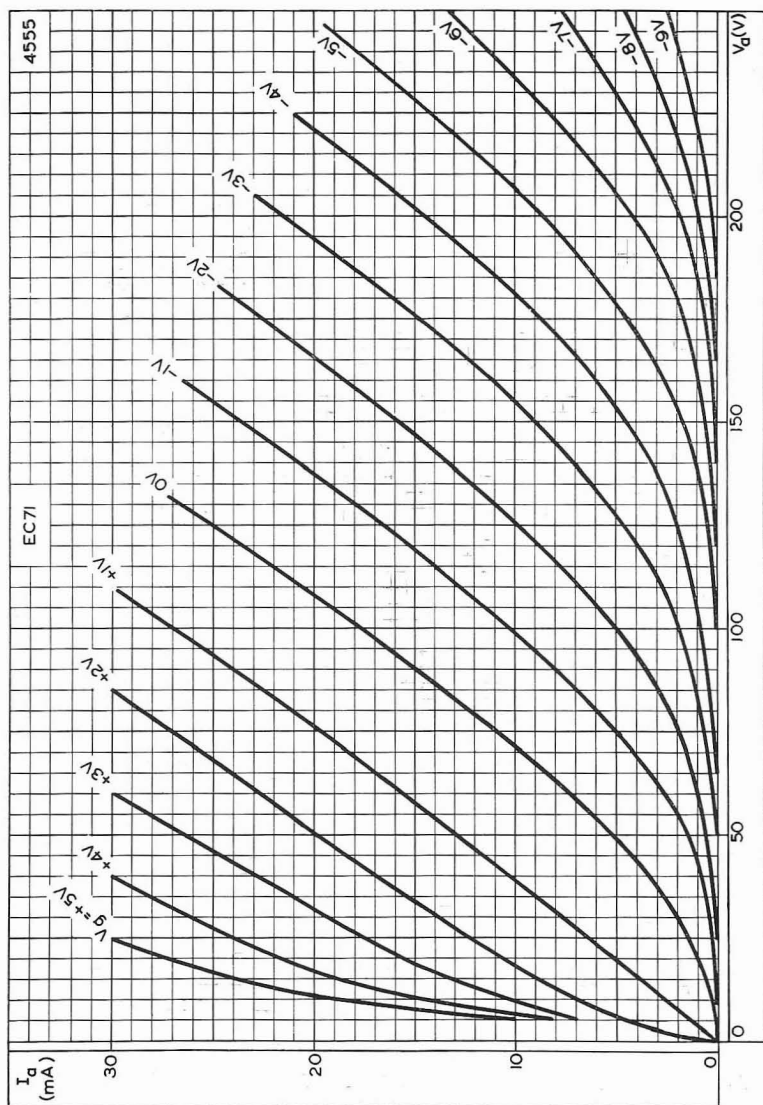
SUBMINIATURE U.H.F. TRIODE

5604

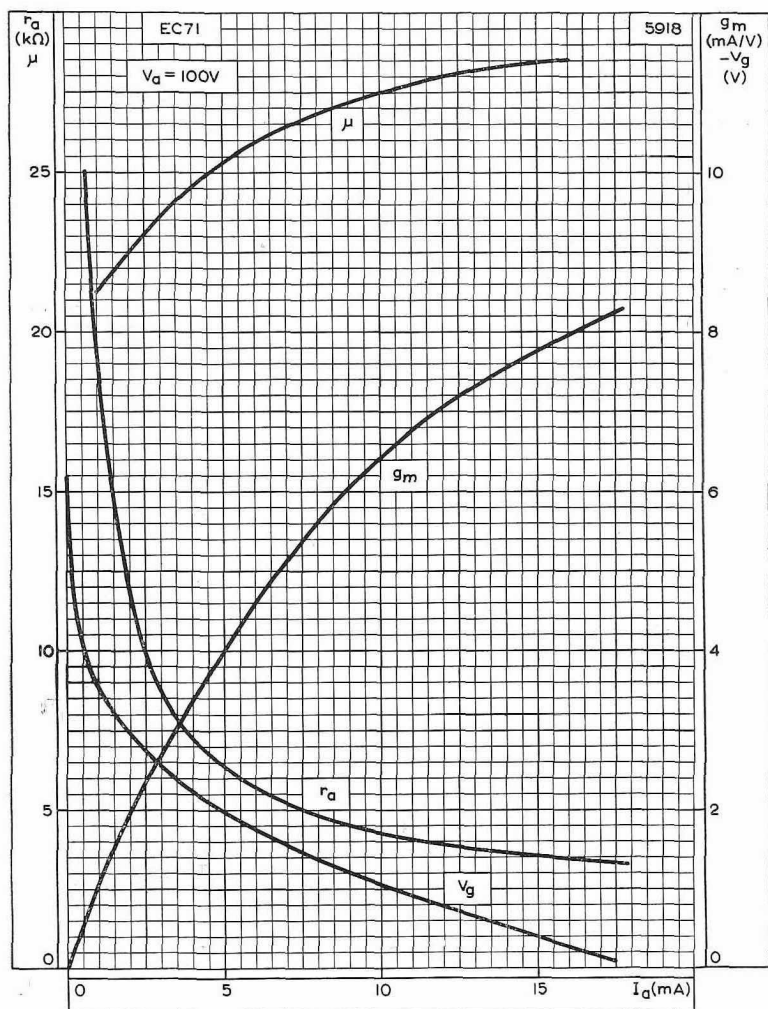


All dimensions in mm





ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE WITH GRID VOLTAGE AS PARAMETER



ANODE IMPEDANCE, MUTUAL CONDUCTANCE, GRID VOLTAGE AND AMPLIFICATION FACTOR PLOTTED AGAINST ANODE CURRENT

