

SUBMINIATURE DOUBLE TRIODE

ECC70

Subminiature medium- μ double triode intended for use at v.h.f.

HEATER

V_h	6.3	V
I_h	300	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 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	
$C_{a'-a''}$	<0.33	<0.52	pF
C_{a-g} (each section)	1.4	1.6	pF
$C_{g'-g''}$	<0.011	<0.015	pF
C_{in} (each section)	—	2.4	pF
$C_{out'}$	1.2	0.3	pF
$C_{out''}$	1.3	0.35	pF

CHARACTERISTICS (each section)

V_a	100	V
V_g	-1.0	V
I_a	6.5	mA
g_m	5.4	mA/V
r_a	6.5	k Ω
μ	35	
V_g ($I_a = 10\mu A$)	-6.5	V

LIMITING VALUES (absolute ratings) each section

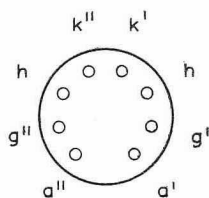
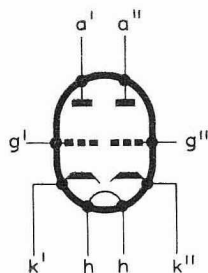
$V_{a(b)}$ max.	330	V
V_a max.	165	V
p_a max.	1.1	W
I_a max.	22	mA
$-V_g$ max.	55	V
I_g max.	5.5	mA
V_{h-k} max.	200	V

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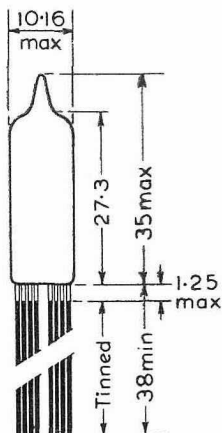
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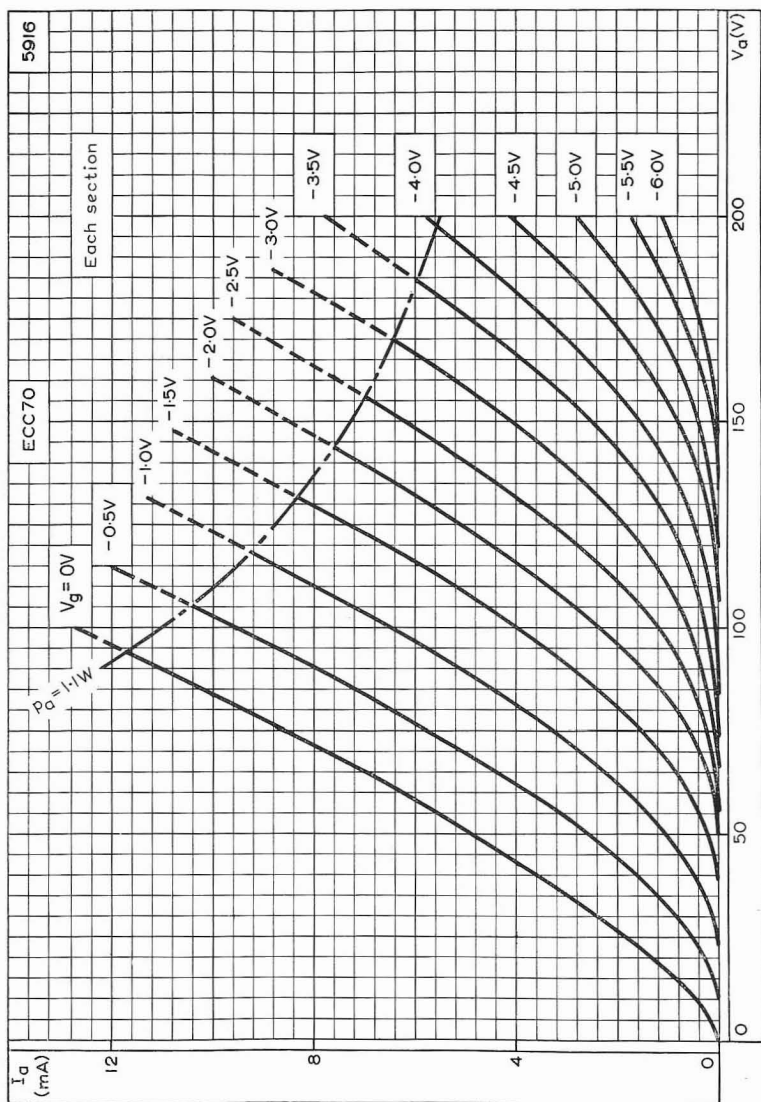
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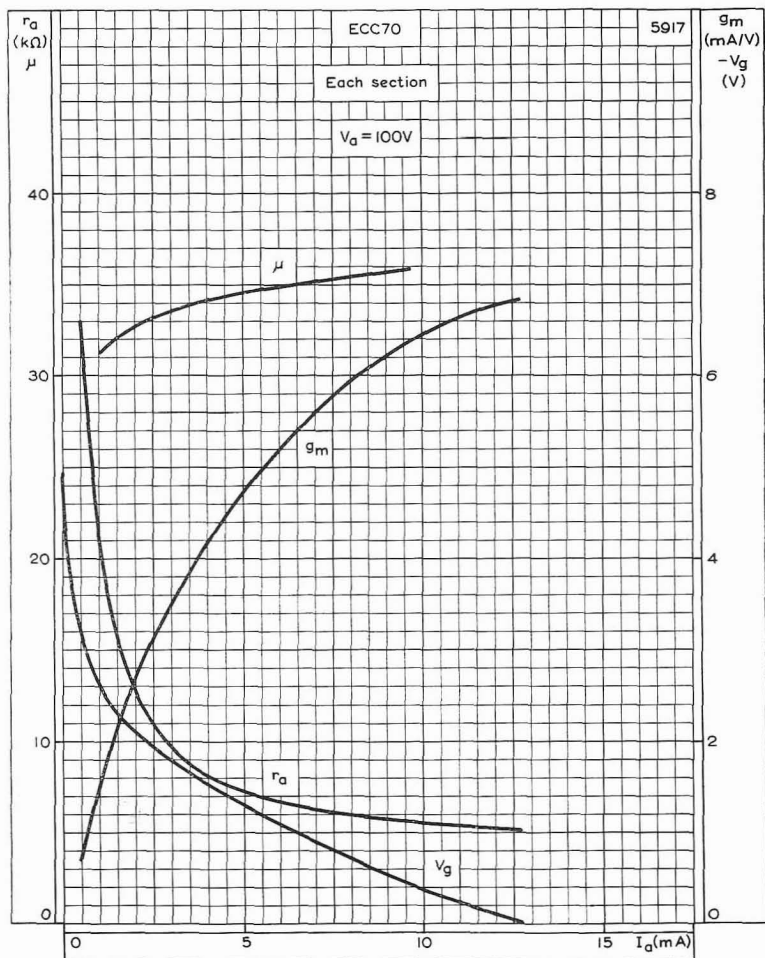
B8D/F Base

All dimensions in mm





ANODE CURRENT PLOTTED AGAINST ANODE VOLTAGE WITH GRID VOLTAGE AS PARAMETER FOR EACH SECTION



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