



R.F. DOUBLE TRIODE

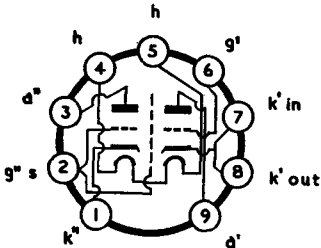
0.3A INDIRECTLY HEATED

B319

JULY, 1956

A double triode with separate cathodes, for use as a cascode RF amplifier at frequencies up to 250 Mc/s.

BASE CONNECTIONS AND VALVE DIMENSIONS



View from underside
of base

Base : B9A

Bulb : tubular

Overall length : 49 max. mm.

Seated length : 36 max. mm.

Diameter: 22.2 max. mm.

HEATER

I_h	0.3	A
V_h	7.4	V

RATING

(per system)

V_a	250	max.	V
V_{h-k}	250	max.	V
I_k	18		mA
P_a	2.0	max.	V
μ	at $V_a=90$ $V_g=-1.5$ $I_a=12\text{mA}$		k Ω
r_a			
g_m			
	24		
	4		
	6.0		mA/V

CAPACITANCES

$C_{a'-g'}$	1.1 pF	$C_{a''-g''}$	2.3 pF
$C_{g'-h}$	0.25 pF	$C_{a''-g''+h}$	2.5 pF
$C_{g'-a''}$	0.005 pF	$C_{a''-k''}$	0.17 pF
$C_{a'-a''}$	0.035 pF	$C_{a''-k''+h}$	4.9 pF
C_{in}	1.1 pF	$C_{h-k''}$	2.8 pF
C_{out}	2.3 pF		

MARCONI'S WIRELESS TELEGRAPH COMPANY LIMITED

Head Office : Marconi House, Chelmsford * Telephone : Chelmsford 3221 * Telegraphic Address : Expanse, Chelmsford

