



R.F. DOUBLE TRIODE

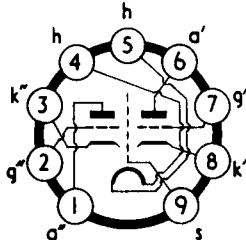
6.3V INDIRECTLY HEATED

ISSUE I

PROVISIONAL
B719/ECC85
 AUGUST 1955

Primarily designed for use as an RF amplifier and mixer in FM receivers.

BASE CONNECTIONS AND VALVE DIMENSIONS



VIEW FROM UNDERSIDE
 OF BASE

Base: B9A
 Bulb: Tubular

Max. overall length: 56mm
 Max. seated length: 49mm
 Max. diameter: 22.2mm

HEATER

V_h	6.3	V
I_h	0.435	A

MAXIMUM RATING (Per system unless otherwise indicated)

V_a	300	V
P_a	2.5	W
$P_{a'} + P_{a''}$	4.5	W
I_k	15	mA
R_{g-k}	1	MΩ
V_{h-k}	90	V

CAPACITANCES

c_{a-g} (each section): 1.5pF.
 $c_{a-a''} < 0.04pF.$ $c_{g'-k'} < 3pF.$ c_{a-k} (each section): 0.18pF
 $c_{g''-k''} < 3pF$

TYPICAL OPERATION (RF Amplifier)

V_a	230	V
I_a	10	mA
V_g	-2	V
S_m	6	mA/V
r_a	9.7	kΩ
μ	58	
r_{in} (at 100Mc/s)	6	kΩ

