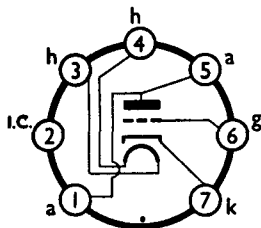




**MINIATURE
TRIODE
6·3V INDIRECTLY HEATED**

L77
OCTOBER, 1951

BASE CONNECTIONS AND VALVE DIMENSIONS



View from underside
of base.

Bulb : B7G

Base : Tubular.

Overall length : 49—55 mm.

Seated length : 43—49 mm.

Max. diameter 19 mm.

RATING

V_h	6·3	V
I_h	0·15	A
V_{h-k}	150 max.	V
V_a	300 max.	V
P_a	3·5 max.	W

CAPACITANCES (of screened valve)

c_{g-k}	1·7	pF	c_{a-k}	2·6	pF	c_{g-a}	2·0	pF
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TYPICAL OPERATION

Class A Amplifier :

V_a	100	250	V
V_g	0	—8·5	V
I_a	12	10·5	mA
μ	19·5	17	
r_a	6·25	7·7	k Ω
g_m	3·1	2·2	mA/V

R.F. Power Amplifier and Oscillator, Class C Telegraphy

V_a	300	V
V_g	—27	V
I_a	25	mA
I_g	7	mA
P_{drive}	0·35	W
P_{out}	5·5	W

Under maximum rated conditions, the grid circuit resistance must not exceed 0·25 M Ω with fixed bias or 1 M Ω with cathode bias.

MARCONI'S WIRELESS TELEGRAPH COMPANY LIMITED

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SCREENING

No internal or external screening is fitted to the valve.

MICROPHONY

Although this is of a very low order, equipment should be designed to minimise microphony.

RETAINING

A retaining device should be used.

VENTILATION

No special precautions.

MOUNTING

Any position.

