19G6

HIGH VACUUM HALF WAVE RECTIFIER

Indirectly heated—for High Voltage Power Supplies

RATING		
Heater Voltage	V_h	4·0 V
Heater Current	I_h	0·5 A
Maximum Peak Inverse Anode Voltage (Wkg)	P.I.Vmax(w)	6·0 kV
Maximum Peak Inverse Anode Voltage (no-load)	P.I.V(max)	7·0 kV
Maximum Anode Voltage (r.m.s.)	$V_{a(rms)max}$	2·5 kV
Maximum Mean Anode Current	$I_{a(av)max}$	30·0 mA
Maximum Peak Anode Current	$I_{a(pk)max}$	180·0 mA
Minimum Surge Limiting Resistance		5,400* Ω
Maximum Reservoir Capacitance	C_{max}	1·0 μF

* This resistance can be obtained in the distributed resistance of the transformer winding.

INTER-ELECTRODE CAPACITANCES (pF)		
Anode to all other electrodes	$C_{a\text{-}all}$	2·8

DIMENSIONS	
Maximum Overall Length	60 mm
Maximum Diameter	19 mm
Approximate Nett Weight	¼ oz
Approximate Packed Weight	½ oz

MOUNTING POSITION—Unrestricted

Associated Electrical Industries Limited
Electronic Components Division
Tel.: GERrard 9797

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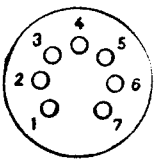
CAP—CT1

BASE—Miniature Button 7-Pin (B7G.)



Viewed from free end of pins.

BASE CONNECTIONS

Pin 1	IC to Pin 2	IC
Pin 2	Cathode	k
Pin 3	Heater	h
Pin 4	Heater	h
Pin 5	IC to Pin 2	IC
Pin 6	IC to Pin 2	IC
Pin 7	IC to Pin 2	IC
Cap	Anode	a

NOTES

Cathode and Heater should normally be tied externally. If left free, the heater to cathode voltage must never exceed 10 volts Peak.

The heater must be switched on for 20 seconds before the anode voltage is applied.

All Maximum Ratings are absolute values not design centres.

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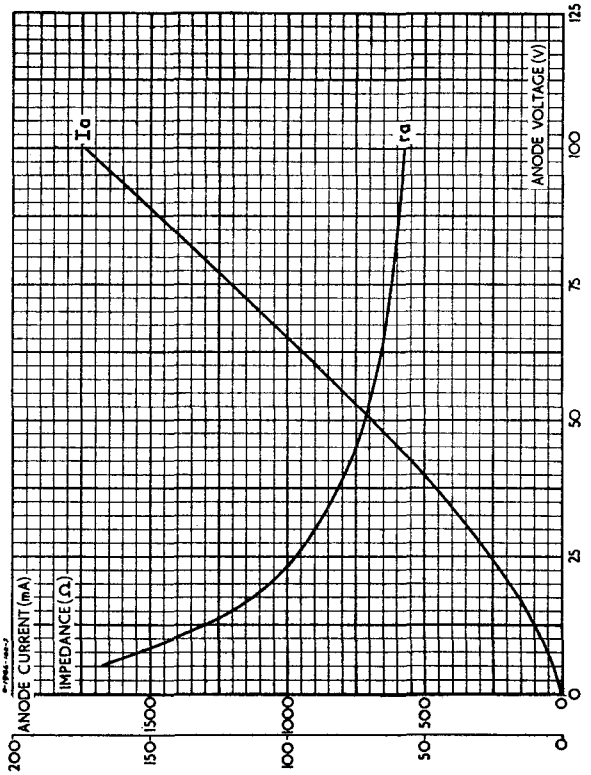
AVERAGE CHARACTERISTIC CURVES : $I_a, R_a/V_a$



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