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SCREENED R. F. PENTODE

Indirectly heated – for parallel operation

RATING		
Heater Voltage (volts)	V_h	6.3
Heater Current (amps)	I_h	0.2
Maximum Anode Voltage (volts)	$V_{a(max)}$	250
Maximum Screen Voltage (volts)	$V_{g2(max)}$	150
Maximum Cathode Current (mA)	$I_{k(av)max}$	10
Mutual Conductance (mA/V)	g_m *	2.2
Anode Impedance (megohms)	r_a *	2.8
Inner μ	μ_{g1-g2} *	26
Maximum Potential Heater/Cathode (volts DC)	$V_{h-k(max)}$	150

* Taken at V_a = 250v; V_{g2} = 100v; V_{g1} = 1.8v.

INTER-ELECTRODE CAPACITANCES		†	¶
Anode/Earth (μμF)	c_{out}	6.7	8.2
Anode/Grid (μμF)	c_{a-g1}	.0039	.004
Grid/Earth (μμF)	c_{in}	5.3	6.8

† Inter-electrode capacitances with holder capacitance balanced out.

¶ Including a Benjamin B.8.A. holder at a frequency of 1 Mc/s with vertical screen fitted to holder between pins 3-4 and 7-8.

"Earth" denotes the remaining earthy potential electrodes, shields and heater joined to cathode.

DIMENSIONS

Maximum Overall Length (mm)	67
Maximum Diameter (mm)	22
Maximum Seated Height (mm)	54
Radius Over Location Key (mm)	12.25
Approximate Nett Weight (ozs)	¾
Approximate Packed Weight (ozs)	1

MOUNTING POSITION – Unrestricted

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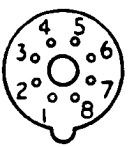
BULB Clear

BASE B.8.A.



Viewed from free end of pins

CONNEXIONS

Pin 1	Heater	h
Pin 2	Anode	a
Pin 3	Internal Shield	s
Pin 4	Suppressor Grid	g_3
Pin 5	Screen Grid	g_2
Pin 6	Control Grid	g_1
Pin 7	Cathode	k
Pin 8	Heater	h

NOTE: Pin 8 should preferably be connected to "earth" potential.

In use pins 3 and 4 should be joined and earthed.

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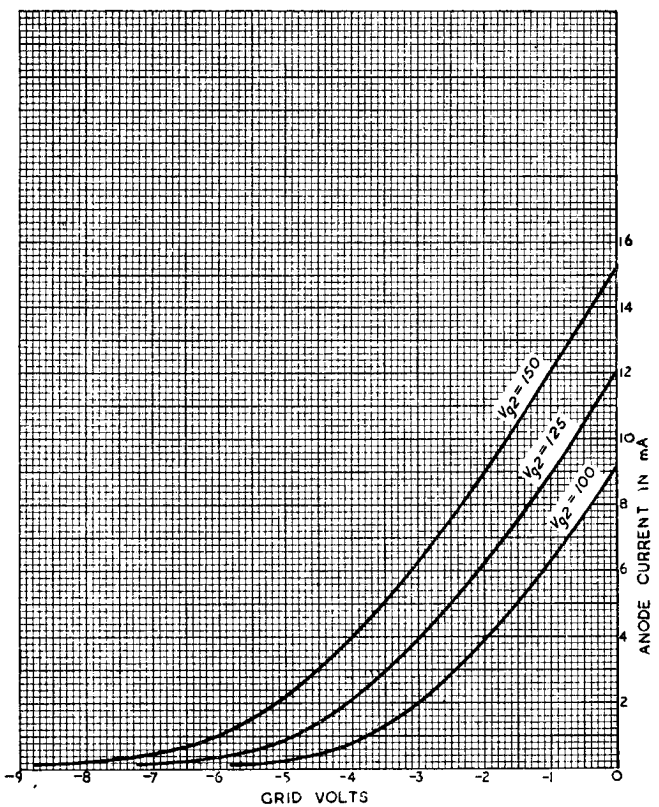
AVERAGE CHARACTERISTIC CURVES

Curves taken at V_b=250



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AVERAGE CHARACTERISTIC CURVES