


19H4

HIGH VACUUM DIODE

Indirectly heated—for High Voltage Power Rectification ←

RATING †

Heater Voltage (volts)	V_h	2.5	
Heater Current (amps)	I_h	1.7	←
Maximum Mean Anode Current (mA)	$I_{a(av)max.}$	• 30.0	←
Maximum Peak Anode Current (mA)	$I_{a(pk)max.}$	• 180	←
Maximum Peak Inverse Voltage - No Load (KV)	P.I.V. _{o.} (max)	• 23.0	
Maximum Peak Inverse Voltage - On Load (KV)	P.I.V. _{w.} (max)	• 20.0	
Maximum Mean Anode Current (mA)		† 5.0	
Maximum Peak Inverse Voltage - No Load or On Load (KV)		† 18.0	
Minimum Surge Limiting Resistance (ohms)		18,000	←
Maximum Reservoir Capacitor (µF)	(50 c/s 1,600 c/s)	0.5 0.01	←

• Delayed Switching. The Heater must be switched on for 10 seconds before the Anode Voltage is applied.

† Simultaneous Switching.

‡ All Maximum Ratings are absolute values, not design centres.

DIMENSIONS

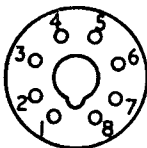
Maximum Overall Length	(mm)	129
Maximum Diameter	(mm)	40
Maximum Seated Height	(mm)	116
Approximate Nett Weight	(ozs)	2½
Approximate Packed Weight	(ozs)	3½

MOUNTING POSITION - Unrestricted.

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CAP American Miniature TypeBULB ClearBASE International Octal (IO8)

Viewed from free end of pins.

CONNEXIONS.

Pin 1	-	-
Pin 2	Heater	h
Pin 3	-	-
Pin 4	-	-
Pin 5	-	-
Pin 6	-	-
Pin 7	Heater/Cathode	h/k
Pin 8	-	-
Top Cap	Anode	a

NOTE

All pins with the exception of No. 2 should be connected to pin No. 7 on the holder, and pin No. 7 connected to the reservoir condenser.

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AVERAGE CHARACTERISTIC CURVE

