

20A2

GAS FILLED TETRODE

Indirectly heated—for use as a Grid Controlled Rectifier

RATING

Heater Voltage (volts)	V_{H1}	6.3
Heater Current (amps)	I_H	1.0
Approximate Voltage drop (volts)		9.0
Max. Peak Forward Anode Voltage	$V_{a(max)}$	600
Max. Peak Inverse Anode Voltage	$P.I.V.(max)$	1300
Max. Shield Grid Voltage (volts)	$V_{g2(max)}$	-100
Max. Control Grid Voltage (volts)	$V_{g1(max)}$	-100
Max. Peak Cathode Current (mA)	$I_r(pk)max$	1250
Max. Mean Cathode Current (mA)	$I_k(av)max$	250
Control Grid Series Resistance (megohms)		.01 to 1.0

NOTE

Cathode and heater should normally be tied externally. If left free, the heater to cathode voltage must never exceed 25 volts peak. The heater must be switched on for 15 seconds before anode voltage is applied.

All maximum ratings are absolute values, not design centres.

DIMENSIONS

Maximum Overall Length (mm)	110
Maximum Diameter (mm)	40
Maximum Seated Height (mm)	97
Approximate Nett Weight (ozs)	1½
Approximate Packed Weight (ozs)	2

MOUNTING POSITION - Unrestricted.

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BULB ClearBASE International Octal (IO8)

Viewed from free end of pins.

CONNECTIONS

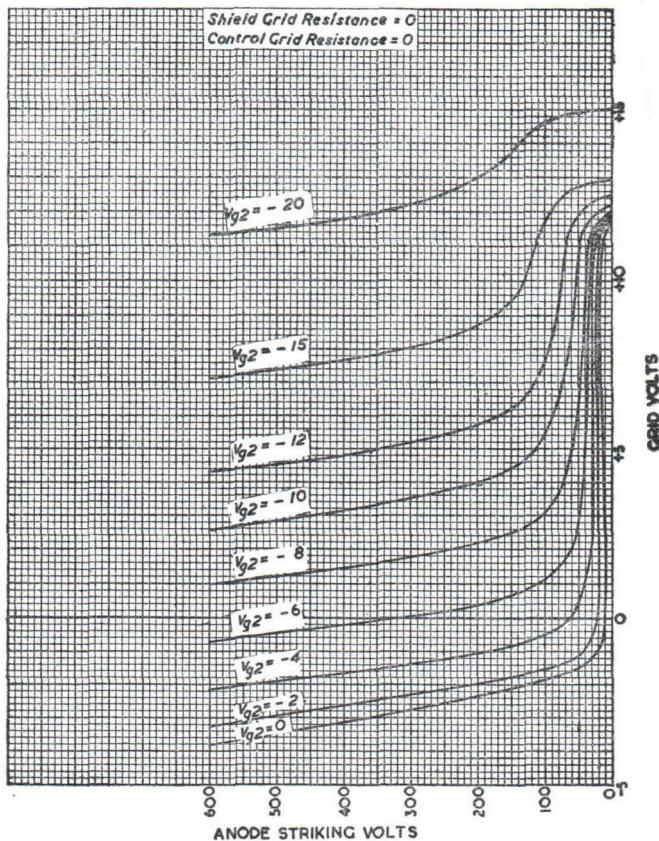
Pin 1	No connection	NC
Pin 2	Heater	h
Pin 3	Anode	a
Pin 4	No connection	NC
Pin 5	Control Grid	g ₁
Pin 6	Shield Grid	g ₂
Pin 7	Heater	h
Pin 8	Cathode	k

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AVERAGE CHARACTERISTIC CURVES





2003

