

# Mullard

## DOUBLE-DIODE

# 2D4A

The 2D4A is an indirectly heated double-diode for use in A.C. operated receivers.

The valve consists of two diode anodes, located on a common cathode assembly.

### HEATER CHARACTERISTICS

Heater Voltage	... ..	$V_f = 4.0$ volts.
Heater Current	... ..	$I_f = 0.65$ amp.
Heating Time	—15 seconds	

### DIMENSIONS

Overall Length	... ..	= 93 mm.
Overall Diameter	... ..	= 29 mm.
Bulb Finish	—Metallised	

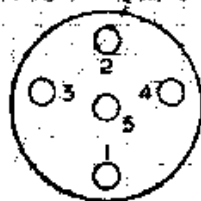
### OPERATING CHARACTERISTICS

Maximum Diode Anode Voltage (peak)	... ..	$V_{d,max}$	= 200 volts
Maximum Diode Current	... ..	$I_{d,max}$	= 0.8 mA.
Maximum Resistance Heater/Cathode	... ..	$R_{fk,max}$	= 20,000 ohms
Maximum Voltage Heater/Cathode	... ..	$V_{fk,max}$	= 50 volts

### CAPACITIES

Diode No. 1 to Diode No. 2	... ..	$C_{d1d2}$	= $< 0.5 \mu\mu F$
Cathode to Diode No. 1	... ..	$C_{d1}$	= $4.5 \mu\mu F$
Cathode to Diode No. 2	... ..	$C_{d2}$	= $4.5 \mu\mu F$

### CONNECTIONS

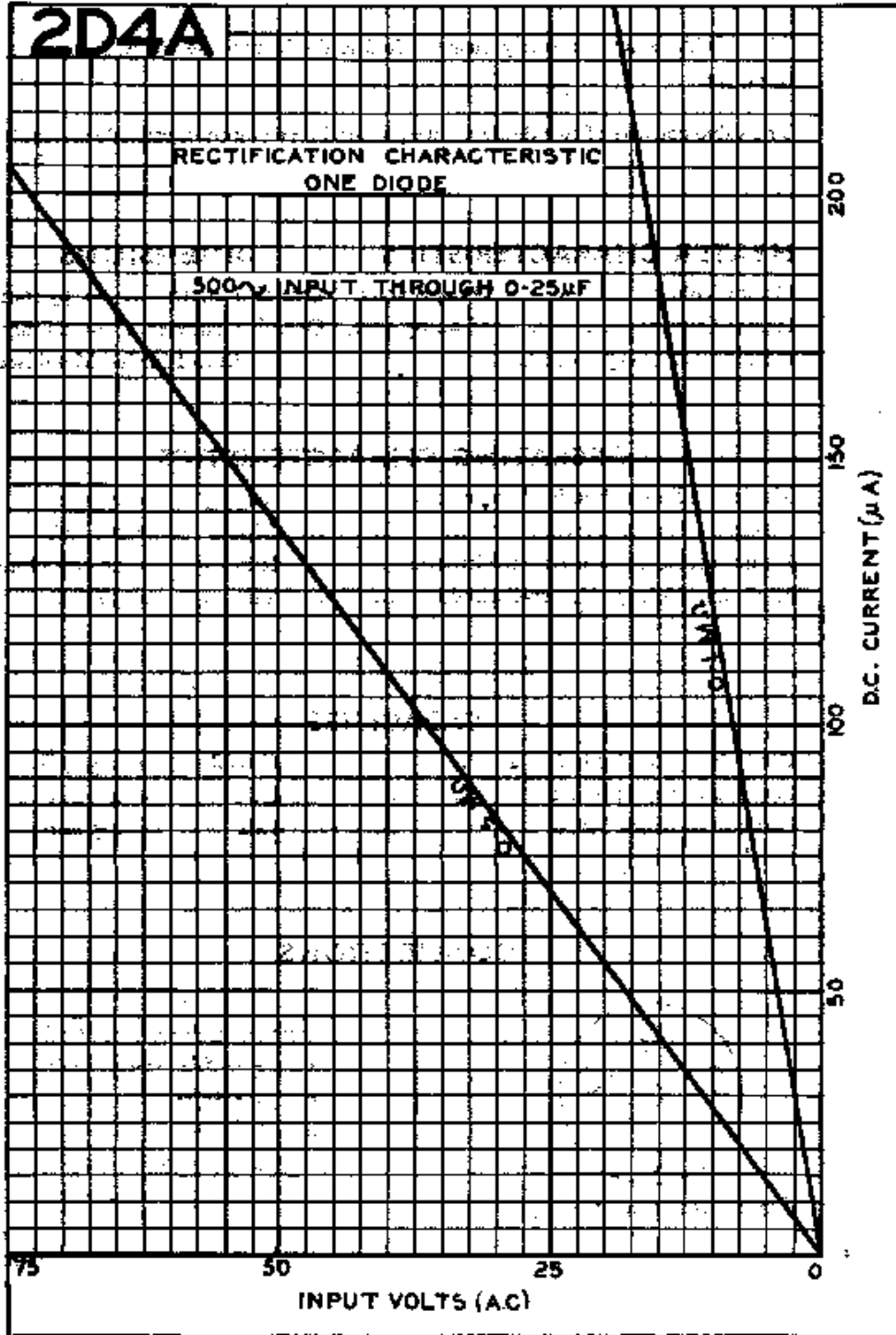


Viewed from free end of pins.

- Pin No. 1 Speech Diode (D<sub>2</sub>)
- " 2 A.V.C. Diode (D<sub>1</sub>)
- " 3 Heater
- " 4 Heater
- " 5 Cathode

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