6D2/EB91 ←

DOUBLE DIODE (Separate Cathodes)

Indirectly heated—for parallel operation

RATING

Heater Voltage (volts)	V_h	6.3
Heater Current (amps)	I_h	0.3
Maximum Mean Anode Current per Anode (mA)	$I_{a(av)max}$	9
Maximum Peak Anode Current per Anode (mA)	$I_{a(pk)max}$	50
Maximum Peak Inverse Anode Voltage (volts)	P.I.V.(max)	500
Maximum Potential Heater/Cathode (volts DC)	$V_{h-k(max)}$	300

INTER-ELECTRODE CAPACITANCES (pF)

		†	§
Anode 1/All	$c_{a'-all}$	3.4	4.5
Anode 1/Anode 2	$c_{a'-a''}$	0.018	0.021
Anode 1/Cathode 1	$c_{a'-k'}$	1.65	1.68
Anode 2/All	$c_{a''-all}$	3.4	4.5
Anode 2/Cathode 2	$c_{a''-k''}$	1.65	1.65
Cathode 1/All	$c_{k'-all}$	4.0	5.1
Cathode 1/Cathode 2	$c_{k'-k''}$	0.009	0.011
Cathode 2/All	$c_{k''-all}$	4.1	5.2
Cathode 2/Heater	$c_{k''-h}$	1.9	2.2
Cathode 1/Heater	$c_{k'-h}$	1.72	1.75

The hot heater to cathode capacity increases by 0.15 pF
The hot anode to cathode capacity increases by 0.1 pF.

† Inter-electrode capacitance with holder capacitance balanced out, but with earthed cylindrical screen.

§ Total capacitance including a B7G ceramic holder type 75/833 and cylindrical screen type 75/832. This holder has a shielding tag between Pins 1 and 7.

Indicates a change ←

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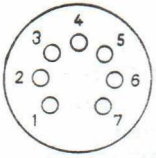
DIMENSIONS

Maximum Overall Length (mm)	54
Maximum Diameter (mm)	19
Maximum Seated Height (mm)	47.5
Approximate Nett Weight (ozs)	$\frac{1}{4}$
Approximate Packed Weight (ozs)	$\frac{1}{2}$

MOUNTING POSITION—Unrestricted.

BASE—B7G.

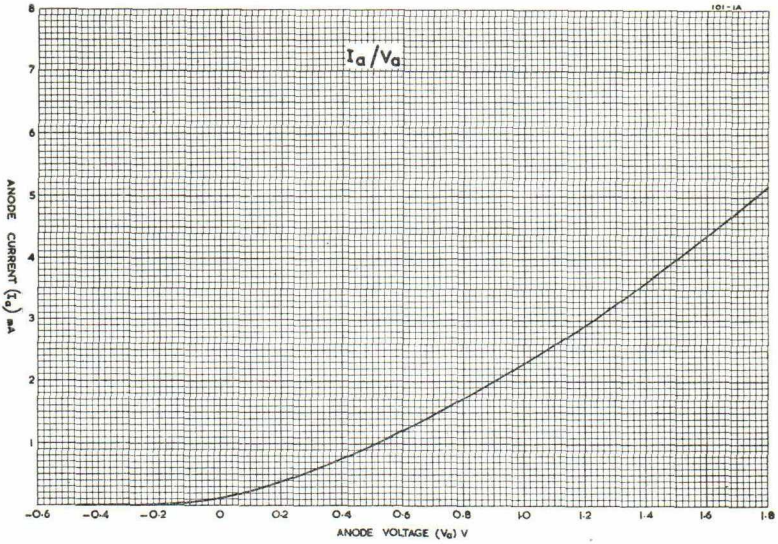


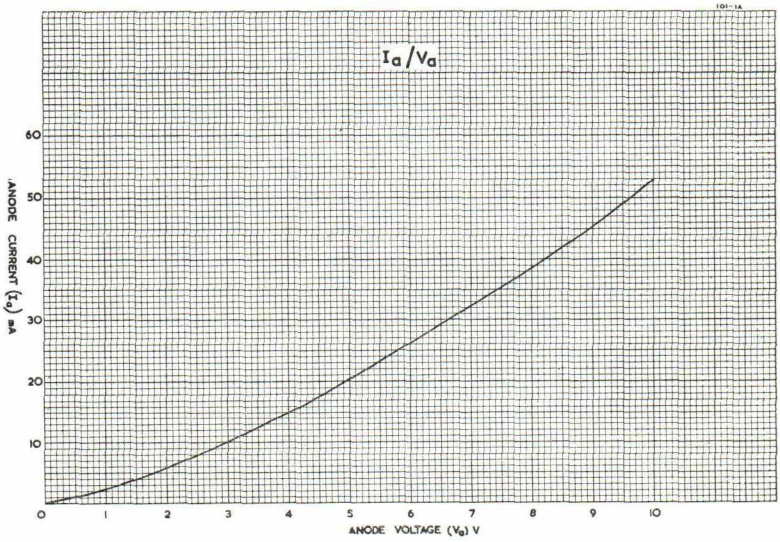
Viewed from free end of pins

CONNECTIONS

Pin 1	Cathode 1	k
Pin 2	Anode 2	a″
Pin 3	Heater	h
Pin 4	Heater	h
Pin 5	Cathode 2	k″
Pin 6	Internal Shield	s
Pin 7	Anode 1	a′

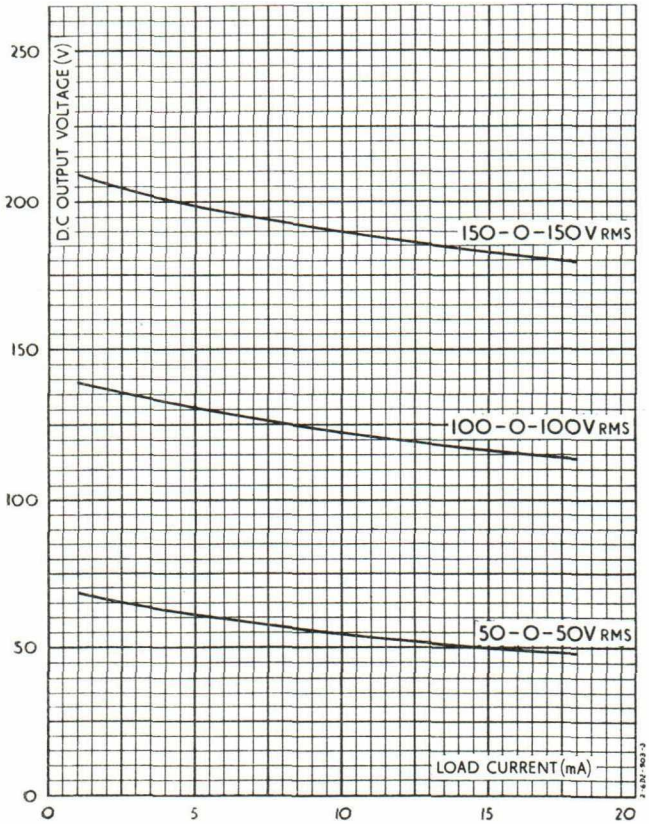
Indicates a change ←





Indicates a change ←

AVERAGE CHARACTERISTIC CURVES : Regulation

(Full-Wave Rectification)

R_{lim} (each anode) = 300Ω C = 8μF f = 50 c/s