#### EDISWAN MAZDA 20P4



20pg

## TELEVISION BEAM POWER AMPLIFIER Indirectly heated—for series operation

#### RÉPLACEMENT TYPE



The 20P4 has been designed for use in the output stage of a time base for magnetic scanning. The valve has been designed to stand the high peak anode voltages required by this class of service.

#### **RATING**

Heater Current (amps)	lh	0.2
Heater Voltage (volts)	$v_h$	38-0
Maximum Anode Voltage (volts)	$V_{a(max)}$	400*
Maximum Screen Voltage (volts)	$V_{g2}(max)$	250
Maximum Peak Anode Voltage (volts) (pulse positive)	Va(pk) max	6,000
Maximum Peak Screen Voltage (volts) (pulse negative)	Vg2(pk) max	1,500
Maximum Anode Dissipation (watts)	Pa(max)	10-0
Maximum Screen Dissipation (watts)	Pg2(max)	4
Maximum Heater/Cathode Voltage (volts r.m.s.)	Vh-k(max)	250†
Maximum Cathode Current (mA)	lk(max)	150
Maximum Grid/Cathode Circuit Resistance (M $\Omega$ )	R <sub>g1</sub>	1.0

<sup>\*</sup> V<sub>a</sub> may be increased to 550 where a "recovered voltage" of >200 is available.

#### INTER-ELECTRODE CAPACITANCES (pF)

Anode/Earth	c <sub>out</sub>	10-0
Anode/Control Grid	ca-g1	0.3
Grid/Earth	Cin	20-0

Indicates a change 🗲





<sup>†</sup> Measured with respect to the higher potential heater pin.

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#### **DIMENSIONS**

Maximum Overall Length	(mm)	108
Maximum Diameter	(mm)	32
Maximum Seated Height	(mm)	94
Approximate Nett Weight	(ozs)	21/2
Approximate Packed Weigh	t (ozs)	7

#### MOUNTING POSITION—Unrestricted

If mounted horizontally it is recommended that pins 2 and 6 should be in a vertical plane.

BULB—Clear

CAP—American Miniature (CT1)

BASE—International Octal (107)



Viewed from free end of pins.

#### CONNECTIONS

Pin 1	No connection	NC
Pin 2	Heater	h
Pin 3	No connection	NC
Pin 4	Screen Grid	g2
Pin 5	Control Grid	g1
Pin 6	No Pin	NP
Pin 7	Heater	h
Pin 8	Cathode	k
Тор Сар	Anode	a

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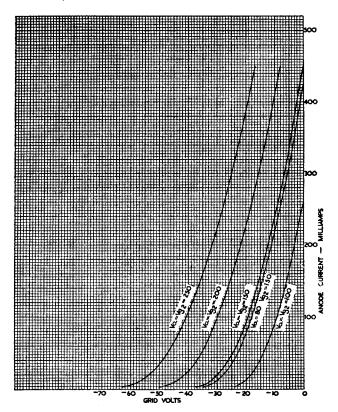
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# **EDISWAN**

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#### AVERAGE CHARACTERISTIC CURVES



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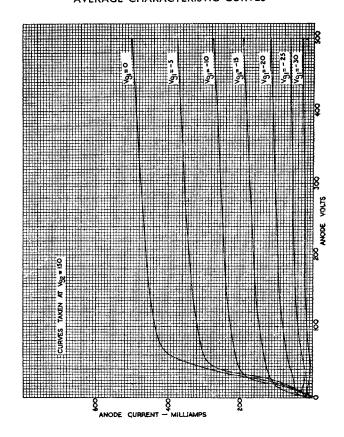
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## TELEVISION BEAM POWER AMPLIFIER Indirectly heated—for series operation REPLACEMENT TYPE



#### AVERAGE CHARACTERISTIC CURVES



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