

EDISWAN**MAZDA****20F2****TELEVISION SCREENED PENTODE**

Indirectly heated—for series operation

REPLACEMENT TYPE

20F2

**RATING**

Heater Current (amps)	I_h	0.2
Heater Voltage (volts)	V_h	11.0
Maximum Anode Voltage (volts)	$V_a(\text{max})$	250
Maximum Screen Voltage (volts)	$V_{g2}(\text{max})$	250
Mutual Conductance (mA/V)	g_m	10.6*
Anode Impedance (megohms)	r_a	0.125*
Inner M_μ	μ_{g1-g2}	33*
Maximum Anode Dissipation (watts)	$P_a(\text{max})$	4.0
Maximum Screen Dissipation (watts)	$P_{g2}(\text{max})$	1.0
Maximum Potential Heater/Cathode (volts A.C.)	$V_{h-k}(\text{max})$	250†

* Taken at $V_a = V_{g2} = 140\text{v}$; $V_{g1} = -1.25\text{v}$.

† Measured with respect to the higher potential heater pin.

INTER-ELECTRODE CAPACITANCES (pF)

Anode/Earth	C_{out}	§ 4.6	† 6.1
Anode/Control Grid	C_{a-g1}	.007	.008
Control Grid/Earth	C_{in}	8.8	10.3

§ Inter-electrode capacitances with holder capacitance balanced out.

† Total capacitance including a Benjamin B8A moulded holder at a frequency of 1 Mc/s.

DIMENSIONS

Maximum Overall Length	(mm)	67
Maximum Diameter	(mm)	22
Maximum Seated Height	(mm)	54
Radius over Location Key	(mm)	12.25
Approximate Nett Weight	(ozs)	$\frac{3}{4}$
Approximate Packed Weight	(ozs)	1

Indicates a change



October 1958

VALVE & CRT DIVISION

Issue 3/2A

SIEMENS EDISON SWAN LIMITED

20F2

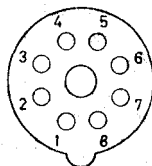
EDISWAN

MAZDA

20F2

TELEVISION SCREENED PENTODE

Indirectly heated—for series operation

REPLACEMENT TYPE ←MOUNTING POSITION—Unrestricted.BULB—ClearBASE—B8A

Viewed from free end of pins

CONNECTIONS

Pin 1	Heater	h
Pin 2	Anode	a
Pin 3	Internal Shield	s
Pin 4	Suppressor Grid	g ₃
Pin 5	Screen Grid	g ₂
Pin 6	Control Grid	g ₁
Pin 7	Cathode	k
Pin 8	Heater	h

Indicates a change ←

October 1958

VALVE & CRT DIVISION

Issue 3/2A

SIEMENS EDISON SWAN LIMITED