

# 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)	$V_{a(max)}$	250
Maximum Screen Voltage (volts)	$V_{g2(max)}$	250
Mutual Conductance (mA/V)	$g_m$	10.6*
Anode Impedance (megohms)	$r_a$	0.125*
Inner $M\mu$	$\mu_{g1-g2}$	33*
Maximum Anode Dissipation (watts)	$P_a(max)$	4.0
Maximum Screen Dissipation (watts)	$P_{g2(max)}$	1.0
Maximum Potential Heater/Cathode (volts A.C.)	$V_{h-k(max)}$	250‡

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

‡ 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

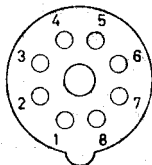
**REPLACEMENT TYPE**



MOUNTING POSITION—Unrestricted.

BULB—Clear

BASE—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 <sub>3</sub>
Pin 5	Screen Grid	g <sub>2</sub>
Pin 6	Control Grid	g <sub>1</sub>
Pin 7	Cathode	k
Pin 8	Heater	h

Indicates a change



October 1958

VALVE & CRT DIVISION

Issue 3/2A

SIEMENS EDISON SWAN LIMITED