

MAZDA**10F3****10F3****SCREENED H.F. PENTODE****Indirectly heated—for series operation****For replacement purposes only****RATING**

Heater Current (amps)	I_h	0.1
Heater Voltage (volts)	V_h	22
Maximum Anode Voltage (volts)	$V_a(\text{max})$	250
Maximum Screen Voltage (volts)	$V_{g2}(\text{max})$	250
Mutual Conductance (mA/V)	g_m	• 6.5
Maximum Anode Watts	P_a	1.6
Maximum Screen Watts	P_{g2}	0.4

• Taken at $V_a = V_{g2} = 200$; $V_{g1} = -2.35$; $I_a = 6 \text{ mA}$

INTER-ELECTRODE CAPACITANCES

		†	‡	‡
Grid/earth (pF)	C_{in}	9.5	11.0	-
Anode/earth (pF)	C_{out}	4.4	5.9	-
Grid/anode (pF)	C_{ga}	-	.006	.006

† Inter-electrode capacitances with holder capacity balanced out.

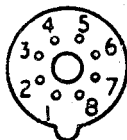
‡ Total capacities including Benjamin BSA moulded holder measured at 1 Mc/s.

‡ Total capacities including Benjamin BSA moulded holder measured at 1 Mc/s with extra perpendicular shield.

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)	‡
Approximate Packed Weight (ozs)	1

10F3

MAZDA**10F3****SCREENED H.F. PENTODE****Indirectly heated—for series operation****For replacement purposes only****MOUNTING POSITION - Unrestricted****BULB - Clear****BASE - B8A****Viewed from free end of pins****CONNEXIONS**

Pin 1	Heater	h
Pin 2	Anode	a
Pin 3	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