

MAZDA

10F3

SCREENED H.F. PENTODE

Indirectly heated—for series operation

For replacement purposes only

10F3

RATING

Heater Current (amps)	I_h	0.1
Heater Voltage (volts)	V_h	22
Maximum Anode Voltage (volts)	$V_a(\max)$	250
Maximum Screen Voltage (volts)	$V_{g2}(\max)$	250
Mutual Conductance (mA/V)	g_m	• 6.5
Maximum Anode Watts	P_a	1.5
Maximum Screen Watts	P_{g2}	0.4

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

INTER-ELECTRODE CAPACITANCES

		†	‡	‡
Grid/earth ($\mu\mu\text{F}$)	C_{1n}	9.5	11.0	-
Anode/earth ($\mu\mu\text{F}$)	C_{out}	4.4	5.9	-
Grid/anode ($\mu\mu\text{F}$)	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.

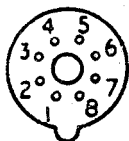
DIMENSIONS

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)	$\frac{3}{4}$
Approximate Packed Weight (ozs)	1

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Viewed from free end of pins

CONNEXIONS

Pin 1	Heater	h
Pin 2	Anode	a
Pin 3	Shield	s
Pin 4	Suppressor grid	ϵ_3
Pin 5	Screen grid	ϵ_2
Pin 6	Control grid	ϵ_1
Pin 7	Cathode	k
Pin 8	Heater	h