

Mullard

OUTPUT PENTODE

Pen26

The Pen26 is an indirectly heated output pentode for series heater connection in D.C./A.C. receivers.

HEATER CHARACTERISTICS

Heater Volts $V_f = 24.0$ volts
 Heater Current $I_f = 0.2$ amp
 Heating Time—60 seconds

DIMENSIONS

Overall Length ... = 123 mm.
 Overall Diameter = 46 mm.
 Bulb Finish—Clear

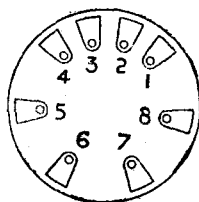
OPERATING DATA

Normal Anode Voltage	V_{aw}	= 200 volts
Normal Auxiliary Grid Voltage	Vg_{2w}	= 100 volts
Normal Anode Current ($-Vg_{1w} = 19$ V)	I_{aw}	= 40 mA
Auxiliary Grid Current	I_{g2}	= 5.0 mA
Normal Control Grid Voltage	$-Vg_1$	= 19 volts
Mutual Conductance	S_w	= 3.1 mA/V
Optimum Load ($V_a = Vg_2 = 250$ V)	R_a	= 5,000 ohms
Audio Output ($D = 10\%$ Total)	W_o	= 3.0 watts
Input Signal Volts (R.M.S.)	Vg_{1eff}	= 8.8 volts
Cathode Bias Resistance	R_k	= 420 ohms

LIMITS

Maximum Anode Voltage	V_{amax}	= 200 volts
Maximum Anode Dissipation	W_{amax}	= 8 watts
Maximum Cathode Current	I_{kmax}	= 70 mA
Maximum Auxiliary Grid Voltage	Vg_{2max}	= 100 volts
Maximum Auxiliary Grid Dissipation	Wg_{2max}	= 1.0 watt
Maximum Resistance in Grid Circuit (with Auto Bias)	$Rg_{1a_{max}}$	= 1.0 megohm
Maximum Resistance Heater to Cathode	$R_{fk_{max}}$	= 5,000 ohms
Maximum Voltage Heater to Cathode	$V_{fk_{max}}$	= 175 volts
Range of Grid Voltage for 1 μ A Grid Current	Vg_1	= -0.4 to -1.1 volts

CONNECTIONS



Contact No. 1 —
 " 2 Heater
 " 3 Heater
 " 4 Cathode
 " 5 —
 " 6 —
 " 7 Auxiliary Grid (G_2)
 " 8 Anode
 Top Cap—Control Grid (G_1)

Viewed from underside of valve base.

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