

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		

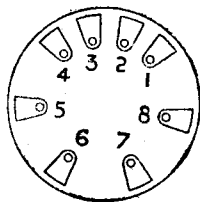
OPERATING DATA

Normal Anode Voltage	...	...	V_{aw}	= 200 volts
Normal Auxiliary Grid Voltage	...	...	V_{g2w}	= 100 volts
Normal Anode Current ($-V_{g1w} = 19$ V)	...	...	I_{aw}	= 40 mA
Auxiliary Grid Current	...	...	I_{g2}	= 5.0 mA
Normal Control Grid Voltage	...	...	$-V_{g1}$	= 19 volts
Mutual Conductance	...	...	S_w	= 3.1 mA/V
Optimum Load ($V_a = V_{g2} = 250$ V)	...	...	R_a	= 5,000 ohms
Audio Output ($D = 10\%$ Total)	...	...	W_o	= 3.0 watts
Input Signal Volts (R.M.S.)	...	...	V_{g1eff}	= 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	...	...	V_{g2max}	= 100 volts
Maximum Auxiliary Grid Dissipation	...	...	W_{g2max}	= 1.0 watt
Maximum Resistance in Grid Circuit (with Auto Bias)	...	...	R_{g1max}	= 1.0 megohm
Maximum Resistance Heater to Cathode	...	...	R_{fkmax}	= 5,000 ohms
Maximum Voltage Heater to Cathode	...	...	V_{fkmax}	= 175 volts
Range of Grid Voltage for 1 μ A Grid Current	...	...	V_{g1}	= -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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