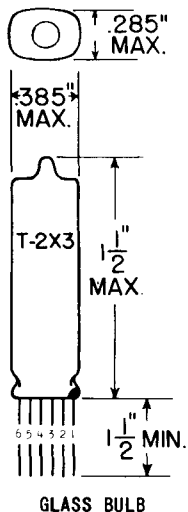


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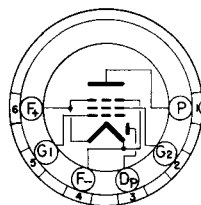
DIODE PENTODE

SUBMINIATURE TYPE



GLASS BULB
COLORED DOT IS ADJACENT
TO LEAD 1

COATED FILAMENT
1.25 VOLTS .03 AMP.
DC
ANY MOUNTING POSITION



BOTTOM VIEW
0.016" TINNED
FLEXIBLE LEADS
LENGTH: 1.5" MIN.
SPACING: 0.048"
CENTER-TO-CENTER

GRID #3 IS COMPRISED OF TWO
SEPARATE DEFLECTOR PLATES, ONE
OF WHICH IS CONNECTED TO LEAD
4 AND THE OTHER TO LEAD 6.

THE 1AG5 IS A FILAMENT TYPE DIODE-PENTODE DESIGNED FOR USE IN APPLICATIONS REQUIRING EXTREME ECONOMY OF SPACE, WEIGHT, AND BATTERY DRAIN. THE FLEXIBLE TERMINAL LEADS MAY BE SOLDERED OR WELDED DIRECTLY TO THE TERMINALS OF CIRCUIT COMPONENTS WITHOUT THE USE OF SOCKETS. STANDARD SUBMINIATURE SOCKETS MAY BE USED BY CUTTING THE LEADS TO 0.020" LENGTH.

DIRECT INTERELECTRODE CAPACITANCES — APPROX.

WITH CLOSE FITTING SHIELD CONNECTED TO LEAD 4

GRID TO PLATE: (G ₁ TO P)	0.10	μf
INPUT: G ₁ TO (F+G ₂ +G ₃)	1.7	μf
OUTPUT: P TO (F+G ₂ +G ₃)	2.4	μf

RATINGS

ABSOLUTE MAXIMUM VALUES

MAXIMUM FILAMENT VOLTAGE (DC)	1.25±20%	VOLTS
MAXIMUM PLATE VOLTAGE	50	VOLTB
MAXIMUM GRID #2 VOLTAGE	50	VOLTS
MAXIMUM TOTAL CATHODE CURRENT	0.5	MA.
MAXIMUM DIODE CURRENT FOR CONTINUOUS OPERATION ^A	0.25	MA.

^A THE DIODE IS LOCATED AT THE NEGATIVE END OF THE FILAMENT.

CONTINUED ON FOLLOWING PAGE

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CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS**CLASS A₁ AMPLIFIER**

FILAMENT VOLTAGE (DC)	1.25	1.25	VOLTS
FILAMENT CURRENT	.03	.03	AMP.
PLATE VOLTAGE	22.5	45	VOLTS
GRID #2 VOLTAGE	22.5	45	VOLTS
GRID #1 VOLTAGE	0	-2.0	VOLTS
PLATE RESISTANCE	0.7	2.5	MEGOHM
TRANSCONDUCTANCE	235	250	μMHOS
PLATE CURRENT	0.17	0.28	MA.
GRID #2 CURRENT	0.043	0.12	MA.
GRID #1 RESISTOR	5	0	MEGOHM
MINIMUM DIODE CURRENT AT 10 VOLTS DC ^A		0.5	MA.

RESISTANCE — COUPLED AMPLIFIER

FILAMENT VOLTAGE (DC)	1.25	1.25	VOLTS
FILAMENT CURRENT	.03	.03	AMP.
PLATE SUPPLY VOLTAGE	45	67.5	VOLTS
GRID #2 SUPPLY VOLTAGE	45	67.5	VOLTS
GRID #1 VOLTAGE ^B	0	0	VOLTS
LOAD RESISTANCE	1	1	MEGOHM
SERIES GRID #2 RESISTOR	5	5	MEGOHMS
GRID #2 BY-PASS CONDENSER	0.1	0.1	μf
GRID #1 RESISTOR (FOLLOWING TUBE)	10	10	MEGOHMS
VOLTAGE GAIN (APPROX.)	50	70	

^A THE DIODE IS LOCATED AT THE NEGATIVE END OF THE FILAMENT.^B GRID #1 RESISTOR = 5 MEGOHMS.

