REMOTE CUT-OFF
PENTODE AMPLIFIER

COATED FILAMENT
2.0 VOLTS  0.060 AMPERE
AC OR DC

GLASS BULB

TUNG-SOL

1A4P
SMALL METAL CAP
SMALL 4 PIN BASE

1D5GP
MINIATURE METAL CAP
SMALL 7 PIN OCTAL BASE

BOTTOM VIEW

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 THESE TUBES ARE REMOTE CUT-OFF PENTODE AMPLIFIERS DESIGNED FOR USE IN BATTERY OPERATED RECEIVERS. EITHER TUBE IS SUITABLE FOR USE WITH AUTOMATIC VOLUME CONTROL IN RF AND IF AMPLIFIERS WITH A MINIMUM OF CROSS MODULATION.

MOUNTING POSITION
 THESE TUBES SHOULD BE OPERATED VERTICALLY WITH THE BASE DOWN. HOWEVER, HORIZONTAL OPERATIONS MAY BE PERMITTED IN THE 1D5GP TUBE TYPE IF PINS 2 AND 7 ARE ON A VERTICAL PLANE. THE SAME WILL BE TRUE FOR THE 1A4P TUBE TYPE IF PINS 1 AND 4 ARE ON A VERTICAL PLANE.

DIRECT INTERELECTRODE CAPACITANCES

MAXIMUM CONTROL GRID TO PLATE (WITH EXTERNAL SHIELD) 0.007 µF
INPUT (G4 TO G2, G3, F) 5.0 µF
OUTPUT (P TO G2, G3, F) 11 µF

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A AMPLIFIER

| PLATE VOLTAGE | 90  | 180 MAX. | VOLTS |
| SCREEN VOLTAGE | 67.5 | 67.5 MAX. | VOLTS |
| MINIMUM CONTROL GRID VOLTAGE | -3  | -4  | MA. |
| PLATE CURRENT | 2.2  | 2.3  | MA. |
| SCREEN CURRENT | 0.9  | 0.8  | MEGOHM |
| PLATE RESISTANCE (APPROX.) | 0.5  | 1.6  | OHMS |
| TRANSCONDUCTANCE | 720  | 750  | |
| AMPLIFICATION FACTOR (APPROX.) | 425  | 700  | |
| CONTROL GRID VOLTAGE | FOR TRANSCONDUCTANCE OF 15 MEGOHMS | -15 | -15 | VOLTS |

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