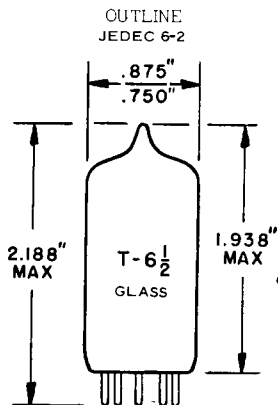


TUNG-SOL

PENTODE

MINIATURE TYPE

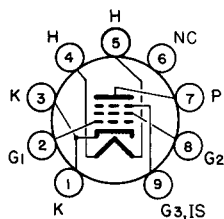


BASE 9 PIN BUTTON
JEDEC E9-1

SHARP-CUTOFF PENTODE
FOR
IF AMPLIFIER STAGES
IN TV RECEIVERS

COATED UNIPOTENTIAL CATHODE
ANY MOUNTING POSITION

BASING DIAGRAM
JEDEC 9PM



BOTTOM VIEW

THE 4JD6 IS A SEMI-REMOTE-CUTOFF PENTODE IN THE 9 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR SERVICE IN TELEVISION RECEIVER I.F. AMPLIFIER STAGES. THE SEMI-REMOTE CUTOFF CHARACTERISTICS IS DESIRABLE FOR USE IN AGC CONTROLLED STAGES. EXCEPT FOR HEATER CHARACTERISTICS AND RATINGS, THE 4JD6 IS IDENTICAL TO THE 3JD6 AND THE 6JD6.

DIRECT INTERELECTRODE CAPACITANCES

WITHOUT EXTERNAL SHIELD

| | | |
|--------------------------------------|-------|----|
| GRID 1 TO PLATE - MAX. | 0,019 | pf |
| INPUT (G TO H + K + G3 + I.S. + G2) | 8.2 | pf |
| OUTPUT (P TO H + K + G3 + I.S. + G2) | 3.0 | pf |

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

| | | | |
|---|-----------|----------|---------|
| AVERAGE CHARACTERISTICS | 4.5 VOLTS | 450 | mA |
| HEATER WARM-UP TIME | | 11 | SECONDS |
| LIMITS OF SUPPLIED CURRENT | | 450 ± 30 | mA |
| MAXIMUM HEATER-CATHODE VOLTAGE: | | | |
| HEATER NEGATIVE WITH RESPECT TO CATHODE | | | |
| TOTAL DC AND PEAK | | 200 | VOLTS |
| HEATER POSITIVE WITH RESPECT TO CATHODE | | | |
| DC | | 100 | VOLTS |
| TOTAL DC AND PEAK | | 200 | VOLTS |

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TUNG-SOL

CONTINUED ON FOLLOWING PAGE

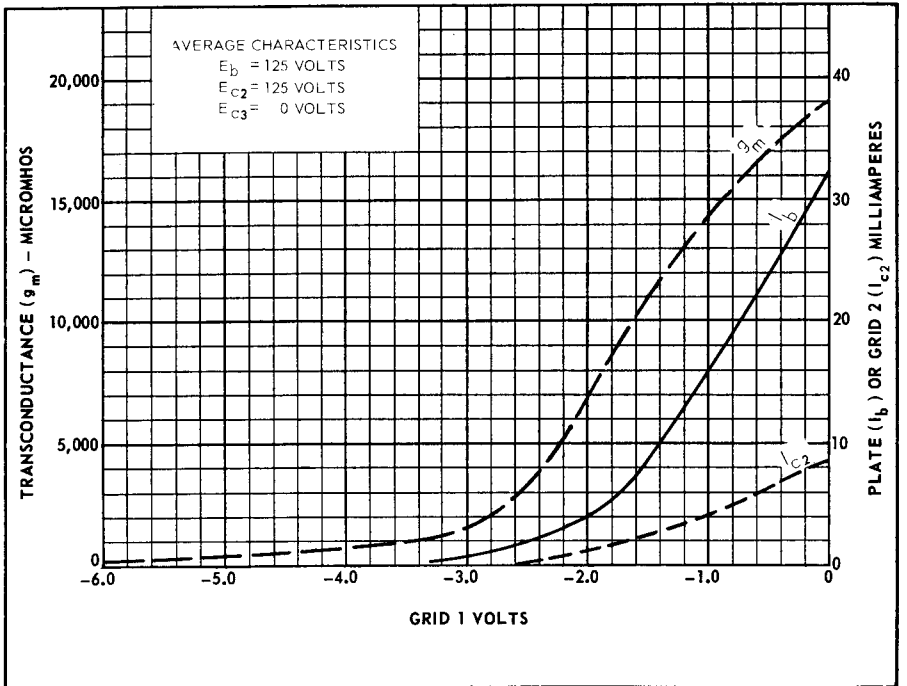
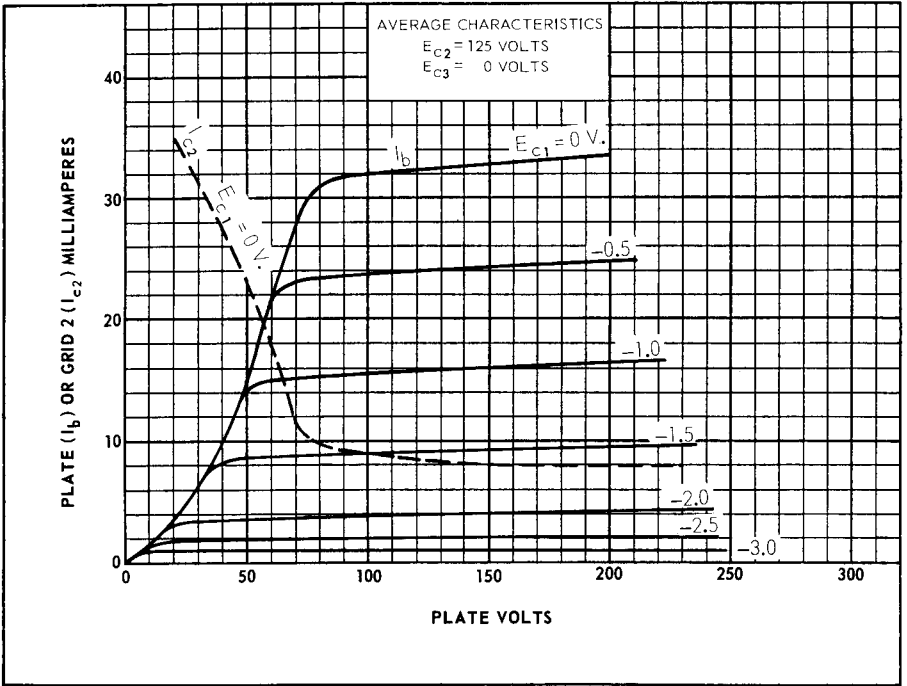
MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD R5-239

| | | |
|--------------------------------------|------------------|--------|
| PLATE VOLTAGE | 330 | VOLTS |
| GRID 2 SUPPLY VOLTAGE | 330 | VOLTS |
| GRID 2 VOLTAGE | SEE RATING CHART | |
| POSITIVE DC GRID 1 VOLTAGE | 0 | VOLTS |
| PLATE DISSIPATION | 2.5 | WATTS |
| GRID 2 DISSIPATION - UP TO 165 VOLTS | 0.6 | WATTS |
| GRID 1 CIRCUIT RESISTANCE: | | |
| CATHODE BIAS RESISTOR | 1 | MEGOHM |
| FIXED BIAS | 0.25 | MEGOHM |

CHARACTERISTICS AND TYPICAL OPERATION

| | | |
|---|--------------------------------|------------|
| PLATE VOLTAGE | 125 | VOLTS |
| GRID 3 VOLTAGE | CONNECTED TO CATHODE AT SOCKET | |
| GRID 2 VOLTAGE | 125 | VOLTS |
| CATHODE BIAS RESISTOR | 56 | OHMS |
| PLATE CURRENT | 15 | mA |
| GRID 2 CURRENT | 4 | mA |
| TRANSCONDUCTANCE | 14,000 | μ MHOS |
| PLATE RESISTANCE | 0.16 | MEGOHM |
| GRID 1 VOLTAGE FOR $G_m = 600 \mu$ MHOS | -4.5 | VOLTS |



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