

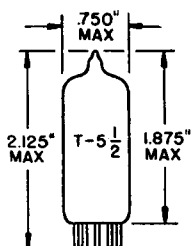
**TUNG-SOL****PENTODE****MINIATURE TYPE****SHARP-CUTOFF PENTODE****FOR**

USE AS AN IF AMPLIFIER

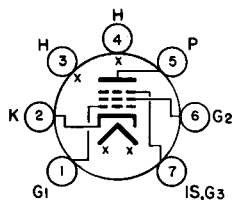
IN TV RECEIVERS

COATED UNIPOTENTIAL CATHODE

ANY MOUNTING POSITION



GLASS BULB  
MINIATURE BUTTON  
7 PIN BASE E7-1  
OUTLINE DRAWING  
JEDEC 5-2



BOTTOM VIEW  
BASING DIAGRAM  
JEDEC 7CM

THE 4DK6 IS A SHARP-CUTOFF PENTODE IN THE 7 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR SERVICE AS A WIDE-BAND HIGH-FREQUENCY AMPLIFIER AND IS PARTICULARLY SUITABLE FOR USE AS AN IF AMPLIFIER IN TELEVISION RECEIVERS. EXCEPT FOR HEATER CHARACTERISTICS AND RATINGS, THE 4DK6 IS IDENTICAL TO THE 3DK6 AND THE 6DK6.

**DIRECT INTERELECTRODE CAPACITANCES**

WITHOUT EXTERNAL SHIELD

|                 |      |       |    |
|-----------------|------|-------|----|
| GRID 1 TO PLATE | MAX. | 0.025 | pf |
| INPUT           |      | 6.3   | pf |
| OUTPUT          |      | 1.9   | pf |

**HEATER CHARACTERISTICS AND RATINGS**

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

|                            |     |       |          |         |
|----------------------------|-----|-------|----------|---------|
| AVERAGE CHARACTERISTICS    | 4.2 | 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 COMPONENT                            |  |  | 100 | VOLTS |
| TOTAL DC AND PEAK                       |  |  | 200 | VOLTS |

CONTINUED ON FOLLOWING PAGE

TUNO-30L

CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

|                                 |                  |       |
|---------------------------------|------------------|-------|
| PLATE VOLTAGE                   | 330              | VOLTS |
| GRID 2 SUPPLY VOLTAGE           | 330              | VOLTS |
| GRID 2 VOLTAGE                  | See Rating Chart |       |
| PLATE DISSIPATION               | 2.3              | WATTS |
| GRID 2 DISSIPATION              | 0.55             | WATTS |
| GRID 1 VOLTAGE - POSITIVE VALUE | 0                | VOLTS |

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

|                                     |                                |            |
|-------------------------------------|--------------------------------|------------|
| PLATE VOLTAGE                       | 125                            | VOLTS      |
| GRID 3 (SUPPRESSOR)                 | Connected To Cathode At Socket |            |
| GRID 2 VOLTAGE                      | 125                            | VOLTS      |
| CATHODE BIAS RESISTOR               | 56                             | OHMS       |
| PLATE CURRENT                       | 12.0                           | MA.        |
| GRID 2 CURRENT                      | 3.8                            | MA.        |
| TRANSCONDUCTANCE                    | 9 800                          | $\mu$ MHOS |
| PLATE RESISTANCE                    | APPROX. 0.35                   | MEGOHMS    |
| GRID 1 VOLTAGE FOR $I_b = 20 \mu A$ | -6.5                           | VOLTS      |

