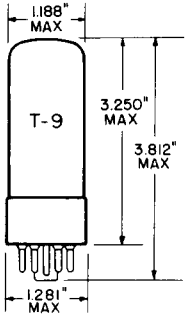
# TUNG-SOL

DIODE



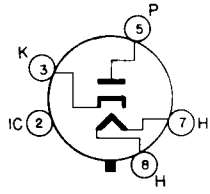

GLASS BULB

SHORT INTERMEDIATE SHELL
5 PIN OCTAL BASE B5-85
OUTLINE DRAWING
JEDEC 9-44

FOR DAMPER SERVICE IN
TELEVISION RECEIVERS

COATED UNIPOTENTIAL CATHODE

ANY MOUNTING POSITION




BOTTOM VIEW

BASING DIAGRAM
JEDEC 4CG

SOCKET TERMINALS 1,2,4 & 6,
SHOULD NOT BE USED AS
TIE POINTS.

THE 6DM4A IS AN INDIRECTLY-HEATED HALF-WAVE RECTIFIER EMPLOYING A T-9 ENVELOPE. IT IS DESIGNED SPECIFICALLY FOR USE AS A DAMPER DIODE IN HORIZONTAL DEFLECTION CIRCUITS OF TELEVISION RECEIVERS.

EXCEPT FOR HEATER CHARACTERISTICS AND RATINGS, THE 6DM4A IS IDENTICAL TO THE 12DM4A AND THE 17DM4A.

ALSO, THE 6DM4A IS IDENTICAL TO THE 6DM4 EXCEPT FOR HIGHER PLATE CURRENT RATINGS.

## DIRECT INTERELECTRODE CAPACITANCES

| | | |
|---|---|---|
| HEATER TO CATHODE | 4 | pf |
| PLATE TO CATHODE | 8.5 | pf |
| CATHODE TO PLATE AND HEATER | 11.5 | pf |

## HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

| | | | | |
|---|---|---|---|---|
| AVERAGE CHARACTERISTICS | 6.3 | VOLTS | 1200 | MA. |
| HEATER SUPPLY LIMITS: | | | | |
| VOLTAGE OPERATION | | | 6.3 ± 0.6 | VOLTS |
| MAXIMUM HEATER-CATHODE VOLTAGE: | | | | |
| HEATER NEGATIVE WITH RESPECT TO CATHODE | | | 900 | VOLTS |
| TOTAL DC AND PEAK | | | 5000 | VOLTS |
| HEATER POSITIVE WITH RESPECT TO CATHODE | | | 100 | |
| TOTAL DC AND PEAK | | | 300 | VOLTS |

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## MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

DAMPER SERVICE[B]

| | | |
|---|---|---|
| PEAK INVERSE VOLTAGE | 5000 | VOLTS |
| PEAK PLATE CURRENT | 1200 | MA. |
| DC PLATE CURRENT | 200 | MA. |
| PLATE DISSIPATION | 6.5 | WATTS |

## CHARACTERISTICS

| | | |
|---|---|---|
| VOLTAGE DROP AT Ib = 400 MA. | 35 | VOLTS |

[B] FOR OPERATION IN A 525-LINE, 30-FRAME SYSTEM AS DESCRIBED IN 'STANDARDS OF GOOD ENGINEERING PRACTICE FOR TELEVISION BROADCASTING STATIONS; FEDERAL COMMUNICATIONS COMMISSION'. THE DUTY CYCLE OF THE VOLTAGE PULSE NOT TO EXCEED 15 PERCENT OF A SCANNING CYCLE.