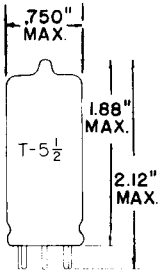
TUNG-SOL

TRIODE

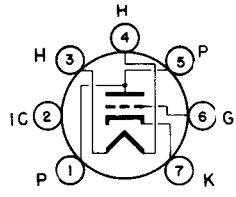
MINIATURE TYPE



GLASS BULB
OUTLINE DRAWING
JEDEC 5-2
BASE - E7-1

COATED UNIPOTENTIAL CATHODE

HIGH VOLTAGE-GAIN APPLICATIONS



BOTTOM VIEW
BASING DIAGRAM
JEDEC 6BG

THE 6DR4 IS A HIGH-MU TRIODE IN THE 7 PIN MINIATURE CONSTRUCTION. IT IS INTENDED FOR USE AS A VOLTAGE AMPLIFIER, PHASE INVERTER, AND OTHER HIGH VOLTAGE-GAIN APPLICATIONS. THE 6DR4 IS ELECTRICALLY EQUIVALENT TO ONE SECTION OF THE 12AX7.

DIRECT INTERELECTRODE CAPACITANCES

WITHOUT EXTERNAL SHIELD

GRID TO PLATE	1.7	pf
INPUT	1.6	pf
OUTPUT	0.46	pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3 VOLTS	150	MA.
HEATER SUPPLY LIMITS:			
VOLTAGE OPERATION		6.3±0.6	VOLTS
MAXIMUM HEATER CATHODE VOLTAGE:			
HEATER POSITIVE WITH RESPECT TO CATHODE			
DC COMPONENT		100	VOLTS
TOTAL DC AND PEAK		200	VOLTS
HEATER NEGATIVE WITH RESPECT TO CATHODE			
TOTAL DC AND PEAK		200	VOLTS

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

PLATE VOLTAGE	330	VOLTS
POSITIVE DC GRID VOLTAGE	0	VOLTS
NEGATIVE DC GRID VOLTAGE	55	VOLTS
PLATE DISSIPATION	1.2	WATTS

CONTINUED ON FOLLOWING PAGE

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TYPICAL OPERATING CHARACTERISTICS

CLASS A_1 AMPLIFIER

PLATE VOLTAGE	100	250	VOLTS
GRID VOLTAGE	-1.0	-2.0	VOLTS
PLATE CURRENT	0.5	1.2	MA.
PLATE RESISTANCE (APPROX.)	80 000	62 500	OHMS
TRANSCONDUCTANCE	1250	1600	μMHOS
AMPLIFICATION FACTOR	100	100	