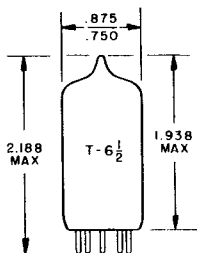


TUNG-SOL

THIS DATA SHEET ALSO APPLIES TO ANOTHER
MILITARY VERSION, DESIGNATED 5751W1

DOUBLE TRIODE
MINIATURE TYPE

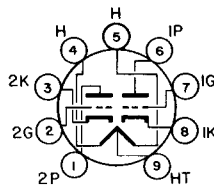


GLASS BULB
SMALL BUTTON
9 PIN BASE E9-1
OUTLINE DRAWING
JEDEC 6-2

FOR GENERAL PURPOSE
VOLTAGE-AMPLIFIER APPLICATIONS

COATED UNIPOTENTIAL CATHODE

ANY MOUNTING POSITION



BOTTOM VIEW
BASING DIAGRAM
JEDEC 9A

THE 5751 IS A 9-PIN MINIATURE, HIGH-MU TUBE WITH TWO TRIODE SECTIONS WITH INDIVIDUAL CATHODE CONNECTIONS. IT INCORPORATES DISTINCTIVE MECHANICAL DESIGN FEATURES, AND INCREASED HEATER CURRENT WHICH PROVIDES A SAFETY FACTOR IN CATHODE PERFORMANCE. THESE FEATURES COMBINE TO PRODUCE A STURDY SHOCK-RESISTANT TUBE AND ONE WHICH WILL GIVE LONG LIFE UNDER CONDITIONS OF INTERMITTENT OPERATION. THE 5751W1 IS DESIGNED FOR HIGHLY RELIABLE APPLICATIONS BUT IS OTHERWISE IDENTICAL WITH TYPE 5751.

HEATER CHARACTERISTICS AND RATINGS

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

SUPPLY CONNECTED TO PINS	4 AND 5	9 AND 4 + 5	
AVERAGE VALUES - VOLTAGE	12.6	6.3	VOLTS
- CURRENT	175	350	MA.
HEATER SUPPLY LIMITS:			
VOLTAGE OPERATION	12.6 ± 1.3	6.3 ± 0.6	VOLTS

MAXIMUM RATINGS

ABSOLUTE MAXIMUM VALUES - SEE EIA STANDARD RS-239

PLATE VOLTAGE	330	VOLTS
GRID VOLTAGE:		
NEGATIVE BIAS VALUE	50	VOLTS
POSITIVE BIAS VALUE	0	VOLTS
PLATE DISSIPATION (EACH SECTION)	0.8	WATTS
ALTITUDE FOR 5751	60,000	FT.
FOR 5751W1	80,000	FT.
ENVELOPE TEMPERATURE	165	°C
GRID RESISTANCE	0.5	MEGOHM

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CHARACTERISTICS

CLASS A1 AMPLIFIER - EACH TRIODE SECTION

PLATE VOLTAGE	100	250	VOLTS
AMPLIFICATION FACTOR	70	70	
GRID BIAS VOLTAGE	-1	-3	VOLTS
PLATE RESISTANCE	58,000	58,000	OHMS
TRANSCONDUCTANCE	1,200	1,200	μ MHOS
PLATE CURRENT	0.8	1.0	MA.

SPECIAL TESTS AND CONTROLS

- HEATER-CYCLING LIFE TEST
- LOW PRESSURE VOLTAGE BREAKDOWN
- SHOCK
- FATIGUE
- SWEEP FREQUENCY VIBRATION (5751W1 ONLY)
- OPERATION AT CUT-OFF 0 PLATE CURRENT (5751W1 ONLY)

SIMILAR TYPE REFERENCE: Similar to the 18AX7.

