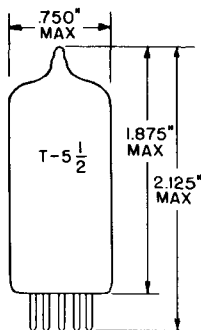


TUNG-SOL**DOUBLE TRIODE**

MINIATURE TYPE

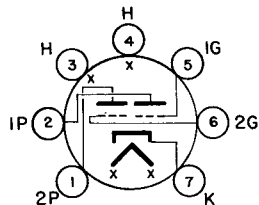


GLASS BULB
MINIATURE BUTTON
7 PIN BASE E7-1
OUTLINE DRAWING
JEDEC 5-2

FOR MILITARY AND
INDUSTRIAL APPLICATIONS

COATED UNIPOTENTIAL CATHODE

ANY MOUNTING POSITION



BOTTOM VIEW
BASING DIAGRAM
JEDEC 7BF

THE 6J6WA IS A MEDIUM-MU TWIN TRIODE WITH A COMMON CATHODE IN THE 7 PIN MINIATURE CONSTRUCTION. THE TUBE IS PARTICULARLY ADAPTABLE FOR SERVICE AS A MIXER-OSCILLATOR AT FREQUENCIES UP TO 600 MEGACYCLES PER SECOND. IT INCORPORATES DISTINCTIVE MECHANICAL DESIGN FEATURES FOR HIGHLY RELIABLE OPERATION.

DIRECT INTERELECTRODE CAPACITANCES

GRID TO CATHODE	1.3	pf
INPUT	2.1	pf
OUTPUT; (SECTION 1)	0.4	pf
OUTPUT; (SECTION 2)	0.45	pf
HEATER TO CATHODE	6.0	pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3	VOLTS	450	MA.
HEATER SUPPLY LIMITS:				
VOLTAGE OPERATION			6.3 ± 0.6	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE:			+180	VOLTS

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

EACH SECTION

PLATE VOLTAGE	300	VOLTS
PLATE DISSIPATION	1.1	WATTS
PLATE CURRENT	12.5	MA.
ENVELOPE TEMPERATURE	165	°C
ALTITUDE	60,000	FT.
GRID CURRENT RESISTANCE (CATHODE BIAS)	0.25	MEGOHMS

TYPICAL OPERATING CHARACTERISTICS

CLASS A1 AMPLIFIER - EACH SECTION

PLATE VOLTAGE	100	VOLTS
CATHODE BIAS RESISTOR (BOTH SECTIONS) ^A	50	OHMS
PLATE CURRENT	9.0	MA.
TRANSCONDUCTANCE	6,000	μ MHOS
AMPLIFICATION FACTOR	38	
PLATE RESISTANCE	6,300	OHMS

SPECIAL TESTS AND CONTROLS

HEATER-CYCLING LIFE TEST
LOW PRESSURE VOLTAGE BREAKDOWN
SHOCK
FATIGUE

^A OPERATION WITH FIXED BIAS IS NOT RECOMMENDED.

