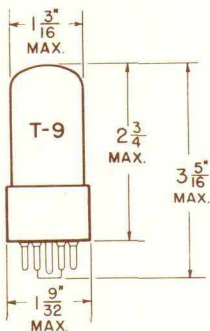


TUNG-SOL

DOUBLE TRIODE



GLASS BULB

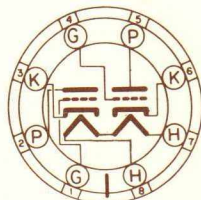
COATED UNIPOTENTIAL CATHODES

HEATER

6.3 VOLTS 1.5 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM-VIEW

SHORT INTERMEDIATE
SHELL 8 PIN OCTAL

880

THE 6BX7GT IS A HIGH PERVEANCE DOUBLE TRIODE DESIGNED FOR USE AS A VERTICAL DEFLECTION AMPLIFIER AND OSCILLATOR IN TELEVISION RECEIVERS.

DIRECT INTERELECTRODE CAPACITANCES — APPROX.

	WITHOUT SHIELD	WITH SHIELD ^A	
SECTION I			
GRID TO PLATE: (G TO P)	4.2	4.2	μuf
INPUT: G TO (H+K)	4.4	5	μuf
OUTPUT: P TO (H+K)	1.1	3.4	μuf
SECTION II			
GRID TO PLATE: (G TO P)	4	4	μuf
INPUT: G TO (H+K)	4.8	5	μuf
OUTPUT: P TO (H+K)	1.2	3.2	μuf
GRID TO GRID: (G TO G)	0.11	0.1	μuf
PLATE TO PLATE: (P TO P)	1.5	1.2	μuf

^AEXTERNAL SHIELD #308 CONNECTED TO CATHODE OF SECTION UNDER TEST.

CONTINUED ON FOLLOWING PAGE

→INDICATES A CHANGE OR ADDITION.

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

RATINGS ←

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM
VERTICAL DEFLECTION AMPLIFIER AND OSCILLATOR^{BC}

	OSCILLATOR	AMPLIFIER
HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE:		
DC	200	VOLTS
TOTAL DC AND PEAK	200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE:		
DC	100	VOLTS
TOTAL DC AND PEAK	200	VOLTS
MAXIMUM DC PLATE VOLTAGE	500	500 VOLTS
MAXIMUM PEAK POSITIVE PULSE PLATE VOLTAGE (ABSOLUTE MAXIMUM)	---	2000 VOLTS
MAXIMUM PEAK NEGATIVE PULSE GRID VOLTAGE	400	250 VOLTS
MAXIMUM DC POSITIVE GRID VOLTAGE	0	0 VDC
MAXIMUM PLATE DISSIPATION ^D	10	10 WATTS
MAXIMUM TOTAL PLATE DISSIPATION		12 WATTS
MAXIMUM AVERAGE CATHODE CURRENT	60	60 MA.
MAXIMUM PEAK CATHODE CURRENT	180	180 MA.
MAXIMUM GRID CIRCUIT RESISTANCE (SELF BIAS)	2.2	2.2 MEGOHMS

^B FOR OPERATION IN A 525-LINE, 30-FRAME SYSTEM AS DESCRIBED IN "STANDARDS OF GOOD ENGINEERING PRACTICE IN TELEVISION BROADCASTING STATIONS, FEDERAL COMMUNICATIONS COMMISSION". THE DURATION OF THE VOLTAGE PULSE IS NOT TO EXCEED 15% OF ONE SCANNING CYCLE.

^C WHEN ONE SECTION IS OPERATED AS AN OSCILLATOR IT IS RECOMMENDED THAT SECTION #1 (PINS 4, 5 AND 6) BE USED.

^D IN STAGES OPERATING WITH GRID LEAK BIAS, AN ADEQUATE BIAS RESISTOR OR OTHER SUITABLE MEANS IS REQUIRED TO PROTECT THE TUBE IN THE ABSENCE OF EXCITATION.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	1.5	AMP.
PLATE VOLTAGE	100	250 VOLTS
GRID #1 VOLTAGE	0	0 VOLTS
CATHODE RESISTOR	0	390 OHMS
PLATE CURRENT	80	42 MA.
TRANSCONDUCTANCE	---	7600 μ MHOS
AMPLIFICATION FACTOR	---	10
PLATE RESISTANCE (APPROX.)	---	1300 OHMS
GRID VOLTAGE FOR $I_b = 50 \mu A$	---	-40 VOLTS

→ INDICATES A CHANGE.