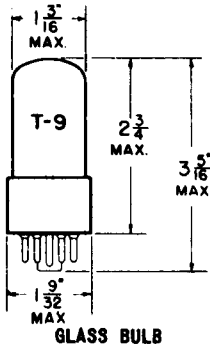


TUNG-SOL

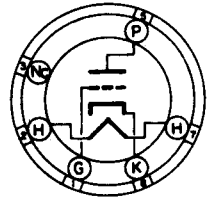
TRIODE



COATED UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 750 MA.
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW
SHORT INTERMEDIATE SHELL 6 PIN OCTAL
8EL

THE 6AH4GT IS A HIGH PERVEANCE TRIODE DESIGNED FOR USE AS A VERTICAL DEFLECTION AMPLIFIER IN TELEVISION RECEIVERS.

DIRECT INTERELECTRODE CAPACITANCES

	WITHOUT SHIELD	WITH SHIELD ^A	
GRID TO PLATE: (G TO P)	4.4	4.2	μf
INPUT: G TO (H+K)	7	7.5	μf
OUTPUT: P TO (H+K)	1.7	3.2	μf

^AEXTERNAL SHIELD #308 CONNECTED TO CATHODE.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

VERTICAL DEFLECTION AMPLIFIER^B

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE:		
HEATER POSITIVE WITH RESPECT TO CATHODE:		
DC	100	VOLTS
TOTAL DC AND PEAK	200	VOLTS
HEATER NEGATIVE WITH RESPECT TO CATHODE:		
TOTAL DC AND PEAK	200	VOLTS
MAXIMUM PLATE VOLTAGE	500	VOLTS
MAXIMUM PEAK POSITIVE PLATE VOLTAGE	2 000	VOLTS
MAXIMUM PLATE DISSIPATION ^C	7.5	WATTS
MAXIMUM POSITIVE DC GRID VOLTAGE	0	VOLTS
MAXIMUM PEAK NEGATIVE GRID VOLTAGE	-200	VOLTS
MAXIMUM AVERAGE CATHODE CURRENT	60	MA.
MAXIMUM PEAK CATHODE CURRENT	180	MA.
MAXIMUM GRID CIRCUIT RESISTANCE	2.2	MEG OHMS

^BFOR OPERATION ON 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.

^CAN ADEQUATE BIAS RESISTOR OR OTHER MEANS IS REQUIRED TO PROTECT THE TUBE IN THE ABSENCE OF EXCITATION.

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1952

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TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

HEATER VOLTAGE	6.3	6.3	VOLTS
HEATER CURRENT	750	750	MA.
PLATE VOLTAGE	250	250	VOLTS
GRID VOLTAGE	-33	-23	VOLTS
PLATE CURRENT	5	30	MA.
TRANSCONDUCTANCE	4 500		μMHOS
AMPLIFICATION FACTOR		8	
PLATE RESISTANCE	1 780		OHMS
GRID VOLTAGE FOR 0.5 MA. PLATE CURRENT (APPROX.)		-40	VOLTS