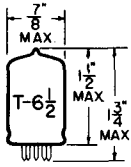
TUNG-SOL

TRIODE

MINIATURE TYPE



GLASS BULB

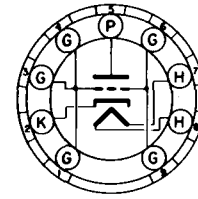
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.225 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

MINIATURE BUTTON
9 PIN BASE

98X

THE 6AM4 IS A HIGH-MU TRIODE USING THE 9 PIN MINIATURE CONSTRUCTION. ITS SHARP CUT-OFF AND HIGH TRANSCONDUCTANCE, COUPLED WITH ITS EXCELLENT ISOLATION BETWEEN INPUT AND OUTPUT MAKE IT WELL SUITED FOR GROUNDED-GRID MIXER SERVICE OVER THE ENTIRE RANGE OF VHF/UHF TELEVISION FREQUENCIES.

DIRECT INTERELECTRODE CAPACITANCES

	WITH SHIELD[A]	WITHOUT SHIELD	
PLATE TO CATHODE: P TO K	0.16	0.16	μμf
CATHODE TO GRID AND HEATER: K TO (G&H)	4.6	4.4	μμf
PLATE TO GRID AND HEATER: P TO (G&H)	2.8	2.4	μμf
HEATER TO CATHODE: H TO K	1.8	1.8	μμf

[A] WITH EXTERNAL SHIELD #315 CONNECTED TO GRID.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE[B]	80	VOLTS
MAXIMUM PLATE VOLTAGE	200 ←	VOLTS
MAXIMUM POSITIVE DC GRID VOLTAGE	0	VOLTS
MAXIMUM PLATE DISSIPATION	2	WATTS

[B] WHEN THE 6AM4 IS OPERATED IN SERIES DC WITH A SECOND TUBE, AS FOR EXAMPLE IN CASCODE OR DIRECT-COUPLED CIRCUITS, THE HEATER-CATHODE VOLTAGE OF THE 6AM4 MAY BE AS HIGH AS 250 VOLTS MAXIMUM UNDER CUT-OFF CONDITIONS WITH THE HEATER NEGATIVE WITH RESPECT TO THE CATHODE.

→ INDICATES A CHANGE.

CONTINUED ON FOLLOWING PAGE

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CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

HEATER VOLTAGE	6.3		VOLTS
HEATER CURRENT	0.225		AMP.
PLATE VOLTAGE	200	←	VOLTS
CATHODE BIAS RESISTOR[C]	100		OHMS
AMPLIFICATION FACTOR	85	←	
PLATE RESISTANCE (APPROX.)	8 700	←	OHMS
TRANSCONDUCTANCE	9 800	←	µMHOS
PLATE CURRENT	10	←	MA.
GRID VOLTAGE FOR I_b = 10 µA. (APPROX.)	-6.5	←	VOLTS

[C] OPERATION WITH FIXED BIAS IS NOT RECOMMENDED.

→ INDICATES A CHANGE.