- TUNG-SOL -

T-62 L938 MAX T-62 L938 AMAX A

DOUBLE TRIODE

MINIATURE TYPE

COATED UNIPOTENTIAL CATHODE

HEATER

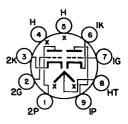
SERIES 12.6 VOLTS 450 MA.

PARALLEL 6.3 VOLTS 900 MA.

AC OR DC

ANY MOUNTING POSITION

FOR 12.6 VOLT OPERATION APPLY HEATER VOLTAGE BETWEEN PINS #4 AND #5. FOR 6.3 VOLT OPERATION APPLY HEATER VOLTAGE BETWEEN PIN #8 AND PINS #4 AND #5 COMMECTED TOGETHER.



BOTTOM VIEW BASING DIAGRAM JEDEC 9H

THE 5687 IS A GENERAL PURPOSE MEDIUM—MU DOUBLE TRIODE USING THE 9 PIN BUTTON ALL—GLASS CONSTRUCTION. EACH TRIODE IS ELECTRICALLY INDEPENDENT ALTHOUGH THE TWO HEATERS HAVE A COMMON CONNECTION. THE TUBE IS CHARACTERIZED BY HIGH PERVEANCE AND HIGH EMISSION CAPABILITIES.

DIRECT INTERELECTRODE CAPACITANCES WITH NO EXTERNAL SHIELD

EACH TRIODE UNIT

GRID TO PLATE: (G TO P) GRID TO CATHODE: (G TO K+H)	4.0 4.0	pf
PLATE TO CATHODE: (P TO K+H) SECTION #1 SECTION #2	0.6	рf
HEATER TO CATHODE: (H TO K) PLATE TO PLATE: (1P TO 2P) APPROX.	7.0 0.75	pf pf
GRID TO GRID: (1G TO 2G) APPROX.	0.025	pf pf

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM INVERSE PLATE VOLTAGE	1000	VOLTS
MAXIMUM PLATE DISSIPATION (EACH UNIT)	4.2	WATTS
MAXIMUM TOTAL PLATE DISSIPATION (BOTH UNITS)	7.5	WATTS
MAXIMUM BULB TEMPERATURE (AT ANY PART OF ENVELOPE)	220	°c
MAXIMUM DC GRID CURRENT (EACH UNIT)	6	MA.
MAXIMUM EXTERNAL GRID CIRCUIT RESISTANCE (EACH UNIT)	1	MEGOHM

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TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER - EACH UNIT

PLATE VOLTAGE GRID VOLTAGE PLATE CURRENT PLATE RESISTANCE (APPROX.) TRANSCONDUCTANCE	120 -2 36.0 1 560 11 500	180 -7 23.0 2 000 8 500	250 -12.5 12.0 3 000 5 400	VOLTS AMP. VOLTS VOLTS MA. OHMS MMHOS
AMPLIFICATION FACTOR	18.0	17.0	16.0	•
GRID VOLTAGE FOR	-9.0	-14.0	-19.0	VOL TS

