6AL6G

TENTATIVE DATA
RAYTHEON TYPE 6AL6G

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TETRODE
POWER AMPLIFIER
Heater Type

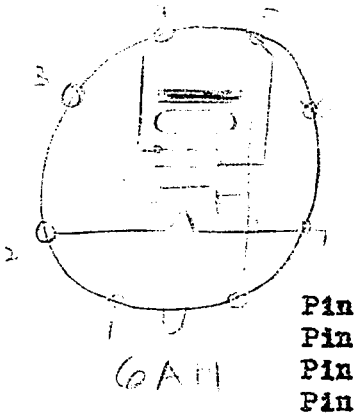
MOUNTING POSITION — Any

BULB: ST-16 Glass CAP: Skirted Miniature BASE: Medium Shell Octal 7-Pin

DIMENSIONS

Maximum Overall Length	5 11/16	inches
Maximum Seated Height	5 1/8	inches
Maximum Diameter	2 1/16	inches

BASING (RMA Designation 6AM)



Pin 1 - No Connection
Pin 2 - Heater
Pin 3 - No Connection
Pin 4 - Screen (G_2)
Pin 5 - Control Grid (G_1)
Pin 6 - Omitted
Pin 7 - Heater
Pin 8 - Cathode & Deflectors
Cap - Plate

RATINGS *

Heater Voltage (a-c or d-c)	6.3	volts
Heater Current	0.9	amp
Maximum D-C Plate Voltage	350	volts
Maximum D-C Screen Voltage	300	volts
Maximum Grid Resistor (Self-Bias)	0.5	megohm
Maximum Plate Dissipation	18.5	watts
Maximum Screen Dissipation	2.7	watts
Maximum Peak Plate Voltage (For less than 0.1 cycle)	5000	volts

TYPICAL AMPLIFIER OPERATION - CLASS A_1

	Fixed Bias	Self-Bias	
Heater Voltage	6.3	6.3	volts
Plate Voltage	250	250	volts
Screen Voltage	250	250	volts
Grid Bias	-14	-	volts
Self-Bias Resistor	-	170	ohms
Plate Resistance (approx.)	22500	-	ohms
Transconductance	6000	-	μmhos
No-Signal Plate Current	72	75	ma
No-Signal Screen Current	5	5.4	ma
Maximum-Signal Peak Voltage	14	14	volts
Maximum-Signal Plate Current	79	78	ma
Maximum Signal Screen Current	7.3	7.2	ma
Load Resistance	3500	2500	ohms
Total Harmonic Distortion	10	10	percent
Power Output	6.5	6.5	watts

* For interpretation of ratings, see "Receiving Tube Ratings." (CB-1800)

For other operating conditions, see 6L6G data.

from RMA release #209, Aug. 21, 1939