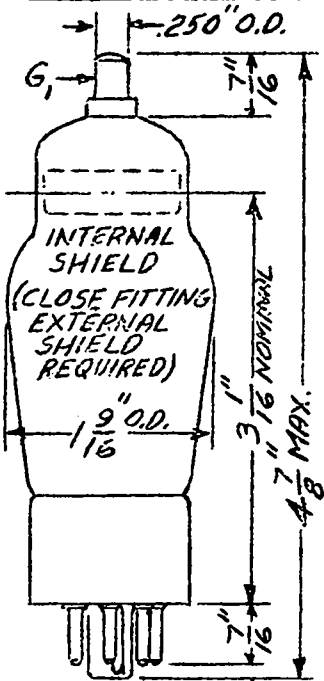


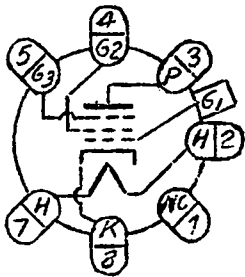
6U7G

CHARACTERISTIC DATA SHEET  
RAYTHEON "G" TYPE TUBE

VARIABLE MU PENTODE AMPLIFIER  
(Uni-Potential Cathode Type)



7 PRONG SMALL OCTAL SHELL BASE



VIEW LOOKING ON TOP OF SOCKET  
RMA BASE CONN. #7R

HEATER RATING

Heater Voltage	6.3	volts
Heater Current	0.3	ampere

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate	.007 max.	μf
Input	5.2	μf
Output	6.8	μf

OPERATING CONDITIONS AND CHARACTERISTICS

AMPLIFIER - Class A

Plate	100	250 max.	volts
Screen	100	100	volts
Grid	-5	-3	
Suppressor	Connected to cathode at socket		
Ampli. Factor	375	1280	
Plate Resistance	.25	0.8	megohms
Mutual Conductance	1500	1300	μmhos
Grid Bias for Mutual			
Conductance 10 μmhos	-40	-40	volts
Grid Bias for Mutual			
Conductance 2 μmhos	-50	-50	volts
Plate Current	8	8.2	m.a.
Screen Current	2.2	2.0	m.a.

1st DETECTOR IN SUPERHETERODYNE CIRCUIT

Plate	100	250 max.	volts
Screen	100	100 max.	volts
Suppressor	Connected to cathode at socket		
Grid Bias	-10	-10 app. min.	volts

Grid bias voltage not critical with an oscillator peak swing 1 volt less than grid bias.

from RMA release #85, Aug. 11, 1936