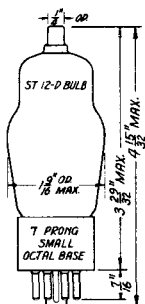


6S7G

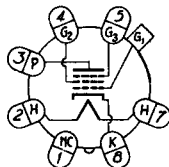
RAYTHEON

6S7G

PENTODE
REMOTE CUTOFF AMPLIFIER
Heater Type Glass Bulb



The 6S7G is a pentode type amplifier tube with remote cutoff characteristics designed for service as a high frequency amplifier in storage battery or a-c operated receivers requiring a low heater current tube.



BOTTOM VIEW OF SOCKET

RATINGS

Heater Voltage (a-c or d-c)	6.3	volts
Heater Current	0.15	amp
Maximum Plate Voltage	250	volts
Maximum Screen Voltage	100	volts

DIRECT INTERELECTRODE CAPACITANCES*

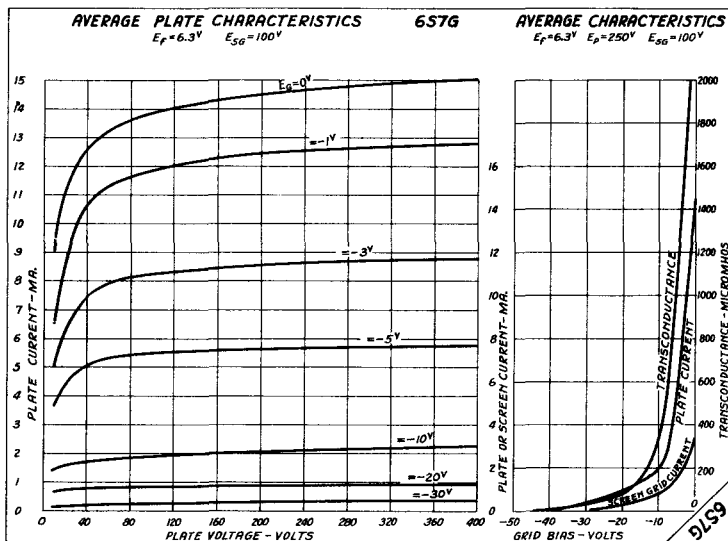
Grid to Plate	0.007 max.	μf
Input	4.6	μf
Output	7.8	μf

AMPLIFIER - CLASS A

Plate Voltage	135	250	volts
Screen Voltage	67.5	100	volts
Grid Bias	-3	-3	volts
Suppressor	Connected to Cathode at Socket		
Amplification Factor	850 min.	1100 min.	
Plate Resistance	0.68 min.	0.63 min.	megohm
Transconductance	1250	1750	μmhos
Plate Current	3.7	8.5	ma
Screen Current	0.9	2	ma
Grid Bias	-25	-38.5	volts

(Transconductance = 10 μmhos)

*With tube shield.



RAYTHEON ENGINEERING SERVICE