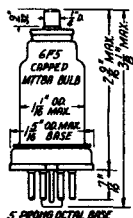


**6F5
6F5G**

RAYTHEON

**6F5
6F5G**



TRIODE
AMPLIFIER
Heater Type
Metal Bulb-6F5 Glass Bulb-6F5G

The 6F5 is a triode type amplifier tube designed for service as a resistance coupled audio frequency amplifier in storage battery or a-c operated receivers.

RATINGS

Heater Voltage (a-c or d-c)	6.3	volts
Heater Current	0.3	amp
Maximum Plate Voltage	250	volts

DIRECT INTERELECTRODE CAPACITANCES

	Grid to Plate	Input	Output	
6F5*	2.0	6	12	μmf
6F5G	2.0	2.5	3.5	μmf

AMPLIFIER - GLASS A

Plate Voltage	250	volts
Grid Bias†	-2	volts
Amplification Factor	100	
Plate Resistance	66000	ohms
Transconductance	1500	μmhos
Plate Current	0.9	ma

AMPLIFIER - CLASS A - RESISTANCE COUPLED

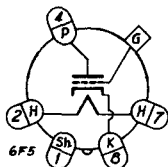
Plate Supply Voltage	250	250	volts
Grid Bias	-1.3	-1.3	volts
Plate Resistor	0.25 to 1.0	0.25 to 1.0	megohm
Grid Resistor‡	0.25	0.5	megohm
Plate Current	0.2 to 0.4	0.2 to 0.4	ma
Voltage Output (RMS) †	11 to 20	14.5 to 25.5	volts
(5% second harmonic)			
Voltage Amplification	52 to 56	51 to 60	

The voltage between heater and cathode should be kept as low as possible where they are not directly connected.

*With shell connected to cathode

†The d-c resistance in the grid circuit should not exceed 1 megohm.

‡For following tube



**BOTTOM VIEW OF SOCKET
6F5G-NO CONNECTION
TO #1 PIN**

