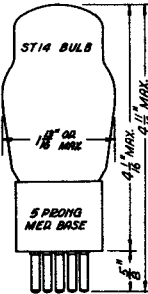


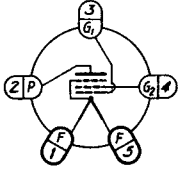
6A4-LA

RAYTHEON

6A4-LA



PENTODE
POWER AMPLIFIER
Filament Type Glass Bulb



The 6A4/LA is a pentode type power amplifier tube designed for service in the output stage of storage battery operated receivers.

BOTTOM VIEW OF SOCKET

RATINGS

Heater Voltage (a-c or d-c)	6.3	volts
Heater Current	0.3	amp
Maximum Plate Voltage	200	volts
Maximum Screen Voltage	200	volts

AMPLIFIER - CLASS A

Plate Voltage	100	135	180	volts
Screen Voltage	100	135	180	volts
Grid Bias*	-6.5	-9	-12	volts
Amplification Factor (approximate)	100	100	100	
Plate Resistance	83250	52600	45500	ohms
Transconductance	1200	1900	2200	umhos
Plate Current	9	14	22	ma
Screen Current	1.6	2.5	3.9	ma
Load Resistance	11000	9500	8000	ohms
Power Output	0.31	0.7	1.4	watts
Total Harmonic Distortion	9	9	9	percent

AMPLIFIER - CLASS AB - PUSH-PULL - TWO TUBES - SELF-BIAS

Plate and Screen Supply Voltage ($E_p + E_o$)	230	volts
Self-Bias Resistor	700	ohms
No-Signal Plate Current (per plate)	16	ma
Load Resistance (plate to plate)	16000	ohms
Total Harmonic Distortion	10	percent
Power Output	4.2	watts

*Grid bias measured from negative end of d-c operated filament. If the filament is a-c operated, the tabulated values of grid bias should be increased by 4 volts and be referred to the mid-point of the filament.

