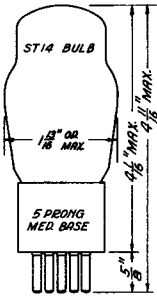
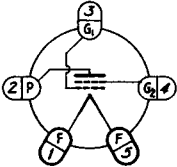


DUAL GRID TRIODE
POWER AMPLIFIER
Filament Type Glass Bulb



The 49 is a dual grid type power amplifier tube designed for service in the output stage of battery operated receivers.



BOTTOM VIEW OF SOCKET

RATINGS

Filament Voltage
Filament Current
Maximum Plate Voltage

2.0 d-c volts
0.12 amp
180 volts

AMPLIFIER - CLASS B - TWO TUBES
Grid #1 connected to Grid #2

Maximum Plate Voltage	180	volts
Maximum Peak Plate Current (per tube)	50	ma
Typical Operation:		
Plate Voltage	135	180 volts
Grid (#1 and #2) Bias	0	0 volts
No-Signal Plate Current (per tube)	1.3	2 ma
Load Resistance (plate to plate)	8000	12000 ohms
Power Output (approximate)	2.3	3.5 watts

AMPLIFIER - CLASS A
Grid #2 connected to plate

Plate Voltage	135 max.	volts
Grid (#1) Bias	-20	volts
Amplification Factor	4.7	
Plate Resistance	4175	ohms
Transconductance	1125	ohms
Plate Current	6	ma
Load Resistance	11000*	ohms
Power Output (approximate)	0.17	watts

*Approximately twice this value is recommended when the tube is used as a driver for a Class B stage.

