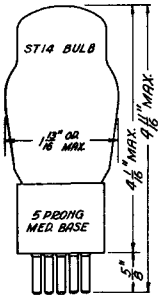
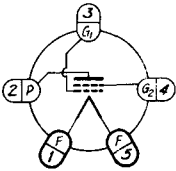


DUAL GRID TRIODE
POWER AMPLIFIER

Filament Type Glass Bulb



The 52 is a dual grid type power amplifier tube designed for service in the output stage of storage battery operated receivers.



BOTTOM VIEW OF SOCKET

RATINGS

Filament Voltage (a-c or d-c)	6.3	volts
Filament Current	0.3	amp
Maximum Plate Voltage	180	volts

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

Maximum Plate Voltage	180	volts
Maximum Peak Plate Current (per tube)	75	ma
Typical Operation:		
Plate Voltage	180	volts
Grid (#1 and #2) Bias	0	volts
No-Signal Plate Current (per tube)	1.5	ma
Load Resistance (plate to plate)	10000	ohms
Power Output	5	watts

AMPLIFIER - CLASS A
Grid #2 connected to plate

Plate Voltage	100	110 max.	volts
Grid (#1) Bias	0	0	volts
Amplification Factor	5.2	5.2	
Plate Resistance	1900	1750	ohms
Transconductance	2700	3000	umhos
Plate Current	37	43	ma
Load Resistance	2000	2000	ohms
Power Output*	1.2	1.5	watts

*Driving power will be required in either single tube or push-pull operation. One type 6A4/LA is recommended as a driver tube. An input transformer ratio, primary to 1/2 secondary, of 3.0, with a 3000 ohm resistor connected across each half of the secondary is recommended.

