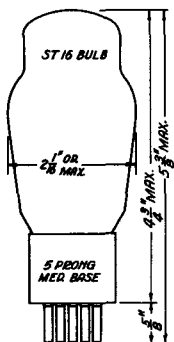
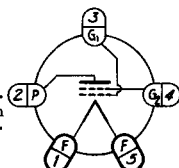


DUAL GRID TRIODE
POWER AMPLIFIER
Filament Type Glass Bulb



The 46 is a dual grid type power amplifier tube designed for service in the output stage of a-c operated receivers.



BOTTOM VIEW OF SOCKET

RATINGS

Filament Voltage (a-c or d-c)	2.5	volts
Filament Current	1.75	amp

AMPLIFIER - CLASS B - TWO TUBES

Grid #1 Connected to Grid #2

Maximum Plate Voltage	400	volts
Maximum Peak Plate Current (per tube)	200	ma
Maximum Average Plate Diss. (per tube)	10	watts

Typical Operation:

Plate Voltage	300	400	volts
Grid Bias†	0	0	volts
No-Signal Plate Current (per tube)	4	6	ma
Load Resistance (plate to plate)	5200	5800	ohms
Power Output (approximate)	16	20	watts
Average Power Input (grid to grid)	950	650	mw

AMPLIFIER - CLASS A

Grid #2 Connected to Plate

Plate Voltage	250 max.	volts
Grid Bias†	-33	volts
Amplification Factor	5.6	
Plate Resistance	2380	ohms
Transconductance	2350	umhos
Plate Current	22	ma
Load Resistance	6400‡	ohms
Power Output (5% second harmonic)	1.25	watts

†Grid bias measured from mid-point of a-c operated filament.

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

