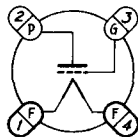


TRIODE
POWER AMPLIFIER
Filament Type Glass Bulb

The 10 is a triode type amplifier tube designed for service in the output stage of power amplifiers.



BOTTOM VIEW OF SOCKET

RATINGS

Filament Voltage (a-c or d-c)	7.5	volts
Filament Current	1.25	amp
Maximum Plate Voltage	425	volts
Maximum Plate Dissipation	12	watts

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate	7	μf
Input	4	μf
Output	3	μf

AMPLIFIER - CLASS A

Plate Voltage	250	350	425	volts
Grid Bias†	-23.5	-32	-40	volts
Signal Peak Voltage	18.5	27	35	volts
Amplification Factor	8	8	8	
Plate Resistance	6000	5150	5000	ohms
Transconductance	1330	1550	1600	μmhos
Plate Current	10	16	18	ma
Load Resistance	13000	11000	10200	ohms
Power Output	0.4	0.9	1.6	watts

AMPLIFIER - CLASS B - TWO TUBES

Maximum Plate Voltage	425	volts
Maximum Plate Current with Signal (per tube)‡	60	ma
Maximum Plate Input with Signal (per tube)‡	25	watts
Maximum Plate Dissipation (per tube)‡	12	watts

Typical Operation:

Plate Voltage	250	350	425	volts
Grid Bias† (approximate)	-28	-40	-50	volts
Signal Peak Voltage (approximate)	110	120	130	volts
No-Signal Plate Current (per tube)	4	4	4	ma
Max.-Signal Plate Current (per tube)	55	55	55	ma
Load Resistance (plate to plate)	4000	6000	8000	ohms
Power Output (approximate)	13	20	25	watts
Driving Power - grid to grid (approx.)	2.1	2.3	2.5	watts

†Grid bias values are given with respect to the mid-point of a-c operated filament. If d.c. is used the tabulated values of grid bias should be decreased by 5 volts and referred to the negative end of the filament.

‡Averaged over any audio frequency cycle.

