

WESTINGHOUSE
 6IN VACUUM TUBE TYPE 196
 AMPLIFIER AND OSCILLATOR
 GENERAL CHARACTERISTICS

Air-Cooled Triode	
Filament Voltage	10 Volts
Filament Current.....	3.25 Amperes
Amplification Factor.....	35
Transconductance, Grid-Plate.....	1600 umhos
Capacitance, Grid-Plate.....	3 uuf
Capacitance, Grid-Filament.....	2.4 uuf
Capacitance, Plate-Filament.....	1.4 uuf
Resonant Frequency, Grid-Plate.....	200 MC
Net Weight.....	8 oz.
Shipping Weight.....	4 lbs.

MAXIMUM RATINGS AND TYPICAL OPERATION CONDITIONS

R-F Power Amplifier and Oscillator, Class C

Telegraph and Therapy Service
 Key-down Conditions Without Modulation*

Maximum Ratings

Plate Volts, A-C, RMS.....	3000
Plate Volts, D-C, Unfiltered.....	3000
Plate Current, D-C, Ma	150
Plate Input, Watts	450
Plate Dissipation, Watts.....	125
Plate Volts and Input for 15 MC.....	100%
Plate Volts and Input for 30 MC.....	80%
Plate Volts and Input for 60 MC.....	60%
Grid Volts, D-C.....	-500
Grid Volts, R-F.....	750
Grid Current, D-C, Ma.....	40

Typical Operation, Class C

Plate Volts, A-C, RMS.....	2000	2500	3000
Plate Volts, D-C, Unfiltered.....	1800	2250	2700
Plate Current, D-C, Ma.....	150	132	116
Plate Input, Watts	335	365	385
Plate Dissipation Watts.....	110	110	110
Grid Volts, D-C.....	-75	-100	-125
Grid Volts, R-F, Peak.....	250	250	300
Grid Current, Ma	20	15	15

*Modulation, essentially negative, may be used if the positive peak of the audio-frequency envelope does not exceed 115% of the carrier conditions.

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