

WESTINGHOUSE
ELECTRON TUBE TYPE 195
AMPLIFIER AND OSCILLATOR

GENERAL CHARACTERISTICS

Air-Cooled Triode	
Filament Voltage.....	10 Volts
Filament Current.....	3.25 Amperes
Amplification Factor.....	12
Transconductance, Grid-Plate.....	1200 umhos
Capacitance, Grid-Plate.....	2.8 uuf
Capacitance, Grid-Filament.....	2.2 uuf
Capacitance, Plate-Filament.....	1.2 uuf
Approximate 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^a

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	-200	-350	-500
Grid Volts, R-F, Peak.....	450	600	750
Grid Current, Ma.....	20	15	15

^aModulation, 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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