

ELECTRICAL DATA (Continued)

Typical Operating Conditions and Characteristics*

Heater voltage	6.3	6.3	volts
Heater current	300	300	ma
Plate voltage	100	250	volts
Grids #3 and #5 voltage	50	100	volts
Grid #2 voltage	100	250**	volts
Grid #4 voltage	-1.5	-3	volts
Oscillator (grid #1) resistance	50,000	50,000	ohms
Oscillator (grid #1) current	0.25	0.4	ma
Plate resistance (approx.)	0.60	0.36	megohms
Plate current	1.1	3.5	ma
Grid #2 current	2.0	4.0	ma
Grids #3 and #5 current	1.3	2.7	ma
Total cathode current	4.6	10.6	ma
Conversion transconductance	360	550	μmhos

*Characteristics shown are obtained in the standard RIMA Conversion Conductance Test Set which uses separate excitation. The characteristics under these conditions correspond very closely with those obtained in a self-excited oscillatory circuit.

**Grid #2 supply voltage applied through a properly by-passed 20,000 ohm voltage dropping resistor.

Oscillator Characteristics (not oscillating)

Plate voltage	250	volts
Grid #2 voltage	100	volts
Grids #3 and #5 voltage	55	volts
Oscillator (grid #1) voltage	-1	volts
Grid #4 voltage	-2	volts
Transconductance between grid #1 and grid #2	1150	μmhos
Amplification factor between grid #1 and grid #2	75	
Grid #2 current	4	ma

Refer to "Interpretation of Receiving Tube Ratings"