



R-F LINEAR AMPLIFIER GROUNDED-GRID, CLASS-B

MAXIMUM RATINGS

DC PLATE VOLTAGE - - - - -	3000 VOLTS
DC PLATE CURRENT - - - - -	0.400 AMP
PLATE DISSIPATION - - - - -	400 WATTS
GRID DISSIPATION - - - - -	20 WATTS

TYPICAL OPERATION (Single-Tone Conditions)

DC Plate Voltage - - - - -	3000 volts
Zero-Sig DC Plate Current* - - - - -	100 ma
Max-Sig DC Plate Current - - - - -	333 ma
Max-Sig DC Grid Current - - - - -	120 ma
Driving Impedance - - - - -	122 ohms
Resonant Load Impedance - - - - -	4750 ohms
Max-Sig Driving Power - - - - -	32 watts
Peak Envelope Plate Output Power - - - - -	655 watts

TYPICAL OPERATION (Minimum Distortion Products at 1 KW PEP Input)

DC Plate Voltage - - - - -	2500 volts
Zero-Sig DC Plate Current* - - - - -	73 ma
Single-Tone DC Plate Current - - - - -	400 ma
Single-Tone DC Grid Current - - - - -	142 ma
Two-Tone DC Plate Current - - - - -	274 ma
Two-Tone DC Grid Current - - - - -	82 ma
Peak Envelope Useful Output Power - - - - -	560 watts
Resonant Load Impedance - - - - -	3450 ohms
Intermodulation Distortion Products - - - - -	-35 db

TYPICAL OPERATION (Minimum Distortion Products)

DC Plate Voltage - - - - -	2000 volts
Zero-Sig DC Plate Current* - - - - -	62 ma
Single-Tone DC Plate Current - - - - -	400 ma
Single-Tone DC Grid Current - - - - -	148 ma
Two-Tone DC Plate Current - - - - -	265 ma
Two-Tone DC Grid Current - - - - -	87 ma
Peak Envelope Useful Output Power - - - - -	445 watts
Resonant Load Impedance - - - - -	2750 ohms
Intermodulation Distortion Products - - - - -	-40 db

TYPICAL OPERATION (Minimum Distortion Products at 1500 Volts Plate Voltage)

DC Plate Voltage - - - - -	1500 volts
Zero-Sig DC Plate Current* - - - - -	46 ma
Single-Tone DC Plate Current - - - - -	400 ma
Single-Tone DC Grid Current - - - - -	163 ma
Two-Tone DC Plate Current - - - - -	265 ma
Two-Tone DC Grid Current - - - - -	92 ma
Peak Envelope Useful Output Power - - - - -	300 watts
Resonant Load Impedance - - - - -	1620 ohms
Intermodulation Distortion Products - - - - -	-37 db

A-F AMPLIFIER OR MODULATOR, CLASS-B

MAXIMUM RATINGS (PER TUBE)

DC PLATE VOLTAGE - - - - -	3000 VOLTS
DC PLATE CURRENT - - - - -	0.400 AMP
PLATE DISSIPATION - - - - -	400 WATTS
GRID DISSIPATION - - - - -	20 WATTS

TYPICAL OPERATION (Sinusoidal Wave, Two Tubes, Grid Driven)

DC Plate Voltage - - - - -	3000 volts
DC Grid Voltage - - - - -	0 volts
Zero-Sig DC Plate Current* - - - - -	200 ma
Max-Sig DC Plate Current - - - - -	666 ma
Max-Sig DC Grid Current - - - - -	240 ma
Driving Power - - - - -	26 watts
Peak A-F Driving Voltage (per tube) - - - - -	88 volts
Load Resistance, Plate-to-Plate - - - - -	9500 ohms
Max-Sig Plate Output Power - - - - -	1310 watts

R-F POWER AMPLIFIER OR OSCILLATOR, CLASS-C

MAXIMUM RATINGS

DC PLATE VOLTAGE - - - - -	4000 VOLTS
DC PLATE CURRENT - - - - -	0.350 AMP
PLATE DISSIPATION - - - - -	400 WATTS
GRID DISSIPATION - - - - -	20 WATTS

TYPICAL OPERATION

DC Plate Voltage - - - - -	3000 volts
DC Plate Current - - - - -	333 ma
DC Grid Voltage - - - - -	-75 volts
DC Grid Current - - - - -	130 ma
Peak R-F Grid Voltage - - - - -	187 volts
Grid Driving Power - - - - -	25 watts
Plate Output Power - - - - -	730 watts

R-F POWER AMPLIFIER PLATE-MODULATED

MAXIMUM RATINGS

DC PLATE VOLTAGE - - - - -	3000 VOLTS
DC PLATE CURRENT - - - - -	0.275 AMP
PLATE DISSIPATION - - - - -	270 WATTS
GRID DISSIPATION - - - - -	20 WATTS

TYPICAL OPERATION

DC Plate Voltage - - - - -	3000 volts
DC Plate Current - - - - -	245 ma
DC Grid Voltage - - - - -	-90 volts
DC Grid Current - - - - -	100 ma
Peak R-F Grid Voltage - - - - -	185 volts
Grid Driving Power - - - - -	18 watts
Plate Output Power - - - - -	550 watts

NOTE: In most cases, "TYPICAL OPERATION" data are obtained by calculation from published characteristic curves and confirmed by direct tests. No allowance for circuit losses, either input or output, has been made. Exceptions are distinguished by a listing of "Useful" output power as opposed to "Plate" output power. Values appearing in these groups have been obtained from existing equipment(s) and the output power is that measured at the load.



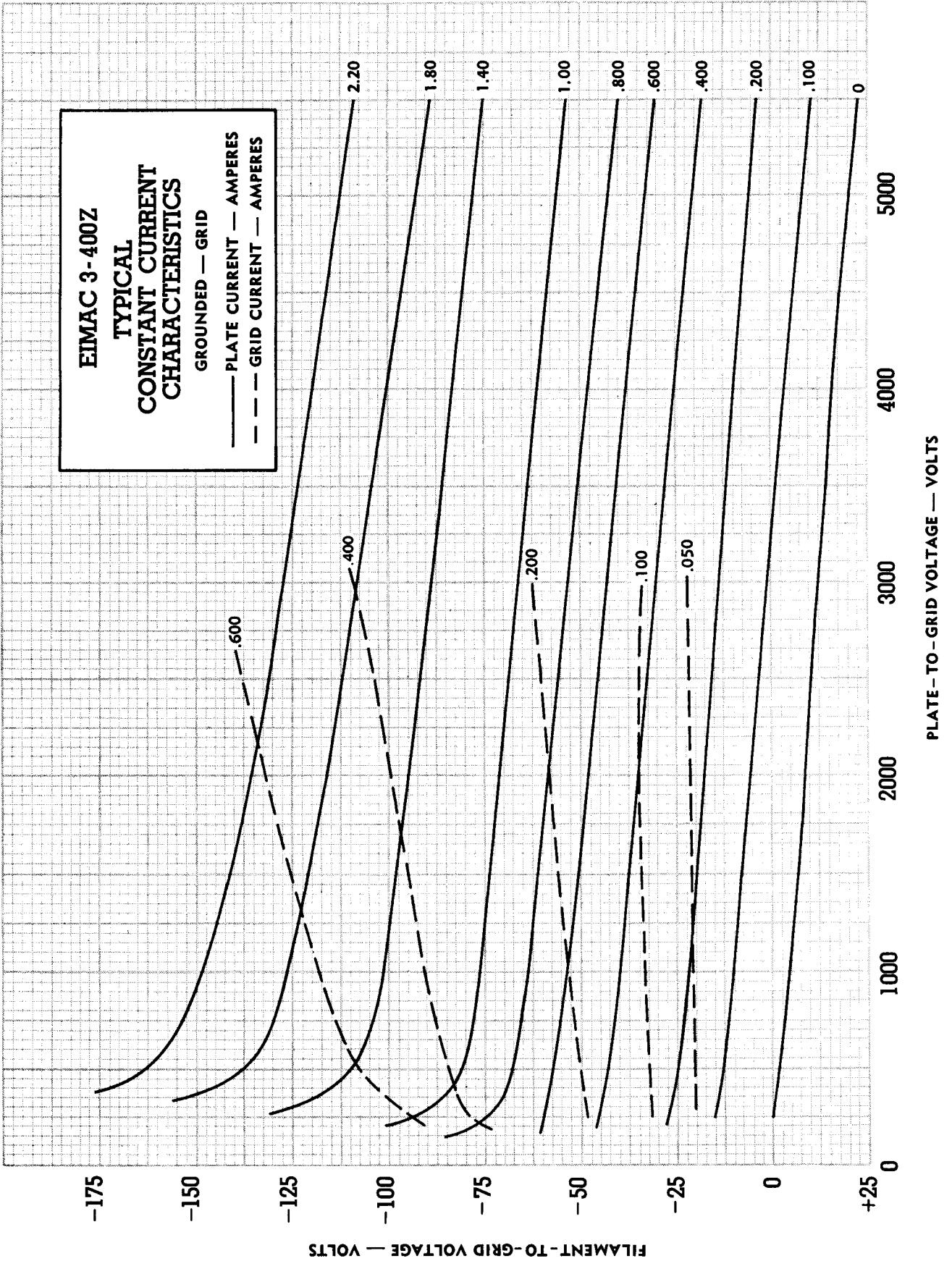
EIMAC 3-400Z

TYPICAL CONSTANT CURRENT CHARACTERISTICS

GROUNDING — GRID

— PLATE CURRENT — AMPERES

- - - GRID CURRENT — AMPERES





EIMAC 3-400Z

TYPICAL PLATE CHARACTERISTICS

— PLATE CURRENT
- - - GRID CURRENT

GRID VOLTAGE = 120 VOLTS

GRID VOLTAGE = 120 VOLTS

PLATE VOLTAGE—VOLTS

