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EFFECTIVE OCTOBER 1980

M **HAMMOND**
W **MANUFACTURING™**
COMMUNICATIONS
PRODUCTS DIVISION

VERN
VE3KPD

SERIES

HL

HF LINEAR AMPLIFIER HL-1000A



**HF LINEAR AMPLIFIER
HL-1000A**

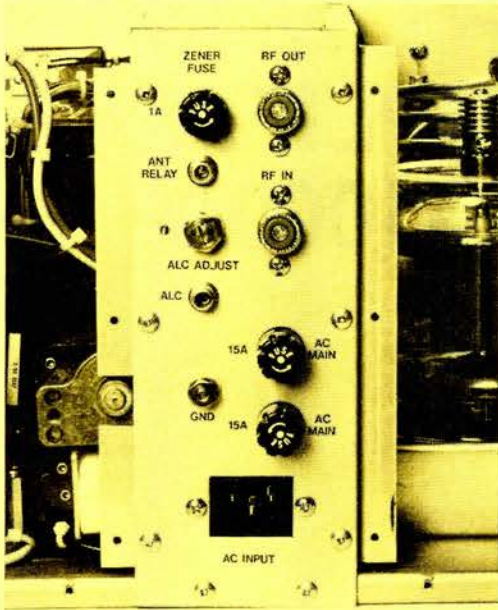


Fig. 3

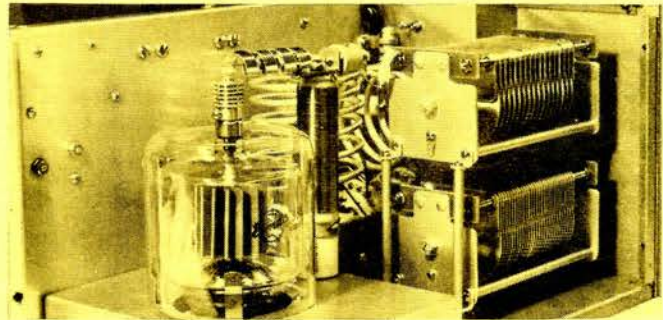
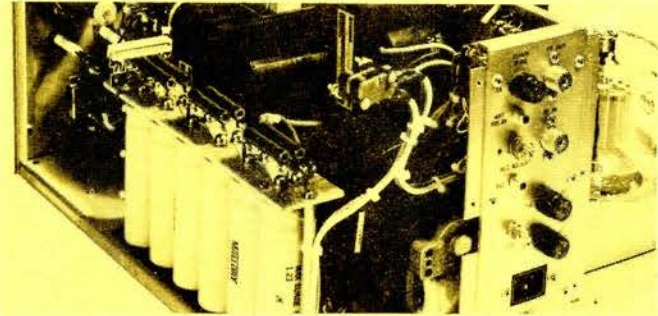


Fig. 4

FEATURES

- BAND COVERAGE** 10M, 15M, 20M, 40M, 80M, Amateur Bands
May be expanded for Mars, Government or other services (Consult Factory)
- TUBE COMPLIMENT** (1) 3—500Z Zero Bias Triodes
- COOLING** Forced Air Chimney Cooling (Continuous Duty Squirrel Cage Blower)
- ALC** Adjustable, (Negative)
- SAFETY** Interlock for Input AC 100% Fused AC Line and Cathode Circuit
- POWER TRANSFORMER** Special Hammond Transformer 120171 designed for continuous duty operation rated at 800VA — 60 Hz — Weight 21.5 Lbs.
- POWER SUPPLY** Computer Grade Capacitors for Max. Reliability
- INPUT CIRCUIT** PI—Input Circuitry for each band
- OUTPUT CIRCUIT** Full Pi-L Network
- LINE VOLTAGE** 120VAC or 240VAC
- METERING** Plate Current
Grid Current
Plate Voltage
Relative Output
- TRANSIENT PROTECTION** Primary, HV and Filament Surge Suppression

SPECIFICATIONS

- FREQUENCY RANGE** 3.5 HMz to 29.5 HMz (Amateur Bands)
- DRIVE POWER** 75W to 125W
- MODE & DUTY CYCLE** SSB
CW — Continuous
RTTY
- RF INPUT POWER** SSB — 1 KW PEP Continuous
CW — 1 KW Continuous Input
RTTY — 1 KW Continuous Input
- PLATE VOLTAGE** SSB — With Resting Current 2400VDC
- CIRCUIT CONFIGURATION** AB₂ Grounded Grid
- INPUT MATCH** 50 Ω (16 dB Return Loss)
- HARMONIC SUPPRESSION** Depending on Exciter -40dB
Utilize RF Inverse Feed-Back
- INTERMODULATION DISTORTION PRODUCTS** In excess of -33dB
- ALC** Negative, Adjustable (-8VDC Max.)
- TUBES** One 3-500Z Zero Bias Triodes
- POWER REQUIREMENTS** 120/240VAC,
Primary current at standby, 4.5A
Primary current at full load 14.0A
- DIMENSIONS** 8" High x 16" Wide x 15¾" Depth
- WEIGHT** 65 Lbs. or 30 Kg.