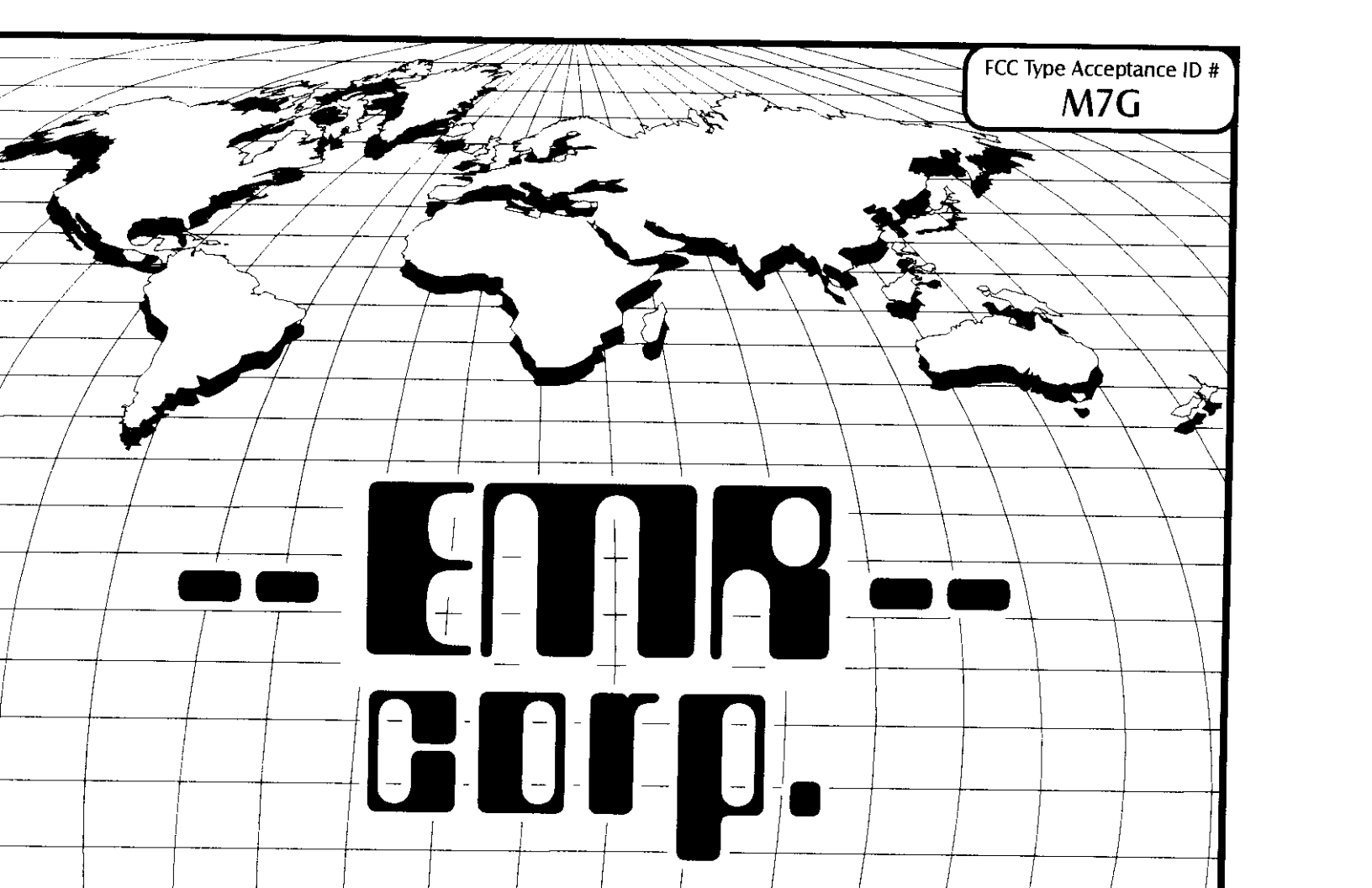


FCC Type Acceptance ID #
M7G



-- EMR --
corp.

SERVICE MANUAL

HUHF 800-80 SERIES **850-870 MHz AMPS**

EMR Corp. - 22402 N. 19th Ave. - Phoenix, Az. 85027
Tel: 602/581/2875 1/800/796/2875
Email: info@emrcorp.com <http://www.emrcorp.com>
Fax: 602/582/9499

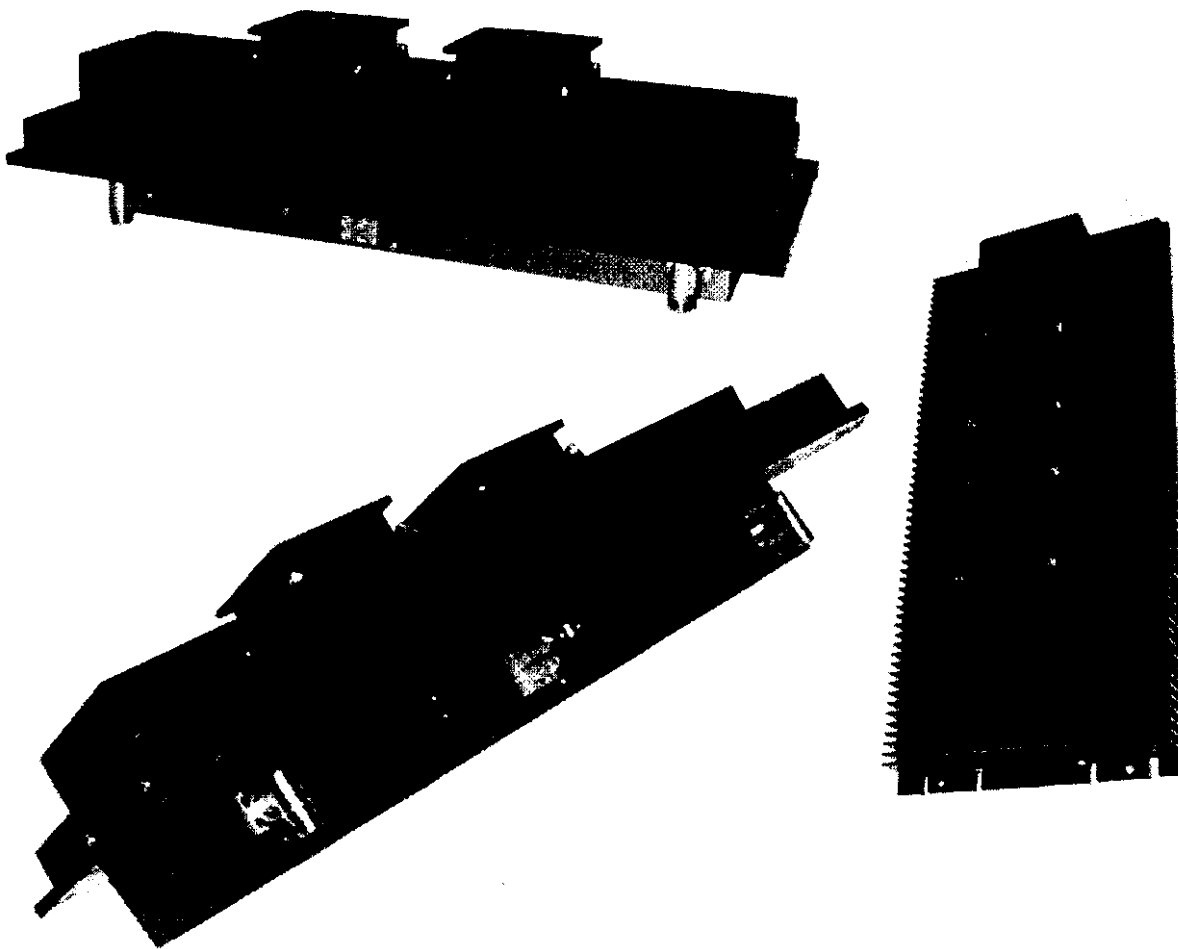
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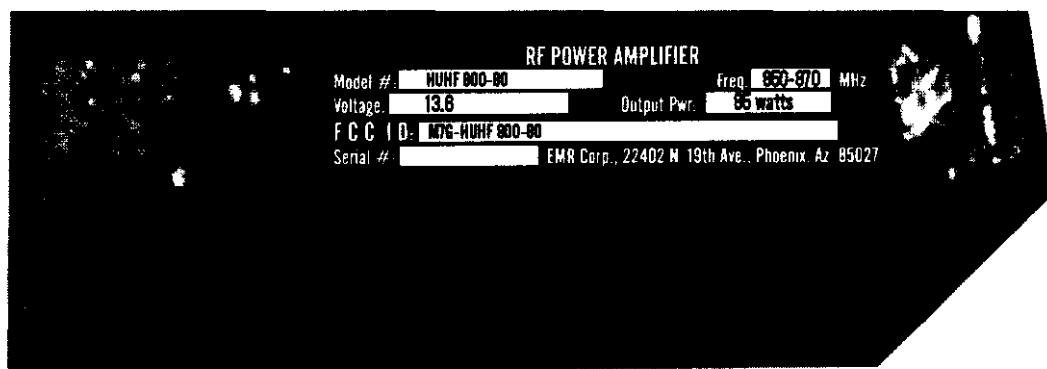
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The HUHf 800-80 Series of EMR amplifiers are intended for use in commercial communications systems. Applications include cellular, smr trunking and data systems. They will cover the frequency range extending from 850 MHz to 870 Mhz.

For operator convenience, views of the top, front, and side of the amplifier are presented here.



FCC Type Acceptance Label Placement



PRODUCT DESCRIPTION

GENERAL SPECIFICATIONS

FREQUENCY RANGE:	850 - 870 Mhz
OPERATING MODE:	FM
USAGE:	Single Channel Systems
MODEL #:	HUHF 800-80
OUTPUT POWER:	85 WATTS
OPERATING TEMPERATURE RANGE:	-20 to +50 Deg. C
OPERATING VOLTAGE:	+13.6 VDC / 17 amps
DUTY CYCLE:	100%
HARMONIC ATTENUATION:	Meets FCC Type Acceptance
OPTIONS:	EMR Amplifiers are available with several mechanical mounting options and in various configurations. (Specified at time of order.)

FCC TYPE
ACCEPTANCE
LABEL

3/4" H - 3" W

RF POWER AMPLIFIER			
Model #:	HUHF 800-80	Freq.	850-870 MHz
Voltage:	13.6	Output Pwr.	85 watts
FCC ID:	M7G-HUHF 800-80		
Serial #:	EMR Corp., 22402 N. 19th Ave., Phoenix, Az. 85027		

For placement see: PRODUCT SPECIFICATIONS

The HUHF 800-80 Series power amplifier is a self-contained rack mountable unit capable of up to 85 watts of class c output power, with built in cooling circuitry and power reduction capability. The input signal is amplified by a power module capable of producing 20 watts. It is then split and amplified by the output amplifiers and recombined with a Wilkinson combiner. Finally, it is filtered by a five element low pass filter. There are two thermostats strategically placed on the heatsink. one controls the fans when the heatsink exceeds 110 F and the other reduces the output power to half when the heatsink exceeds 150 F. (should the fans fail)

CIRCUIT DESCRIPTIONS

EMR Corporation, hereinafter called EMR, warrants that all equipment of its manufacture shall be free from defects in design, materials and workmanship for a period of 12 months from date of shipments unless otherwise covered by special warranty. If any such product, entirely or in part, fails to produce the performance set forth in the brochures, quotations or literature provided by EMR, such product will be replaced or repaired at EMR's expense provided that the failure was not the result of alternation, misuse, tampering, misapplication, shipping damage or vandalism. If a product failure is found to be the fault of EMR, costs of transportation to the EMR factory and return will be born by EMR. Should EMR supply components not of its own manufacture, but specified by a customer, the warranty shall reflect the original manufactures warranty, only.

It is understood that this statement constitutes EMR's entire and only warranty, there being no other warrantees expressed or implied in law or in fact, including implied warrantees of fitness. In no event shall EMR be liable for damages either direct or consequential, that may be occasioned by any defect in materials, workmanship or product support.

For service on this amplifier, contact:

**EMR Corporation
22402 N. 19th Avenue
Phoenix, Arizona 85021**

Tel: 602/581/2875 800/796/2875

E-mail: info@emrcorp.com <http://www.emrcorp.com>

FAX: 602/582/9499

WARRANTY INFORMATION