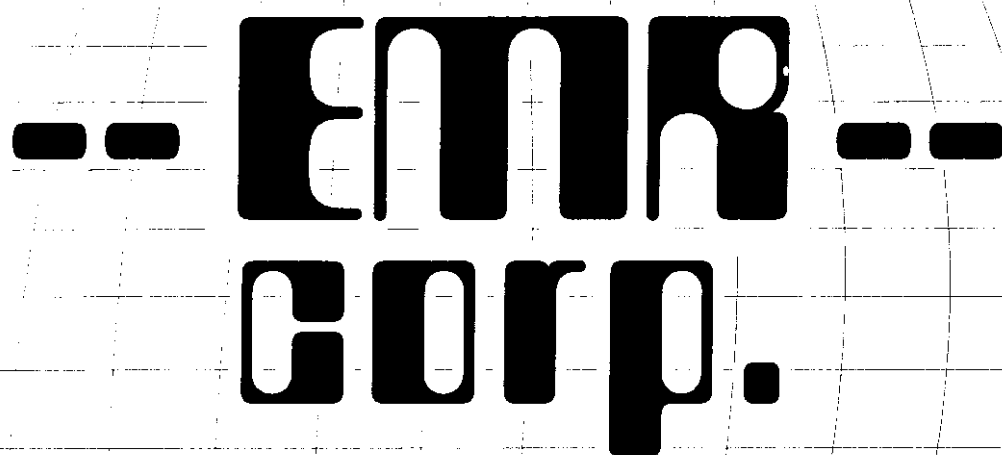


EXHIBIT 5
USER'S MANUAL



SERVICE MANUAL

UHF 450-70 SERIES 450-490 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

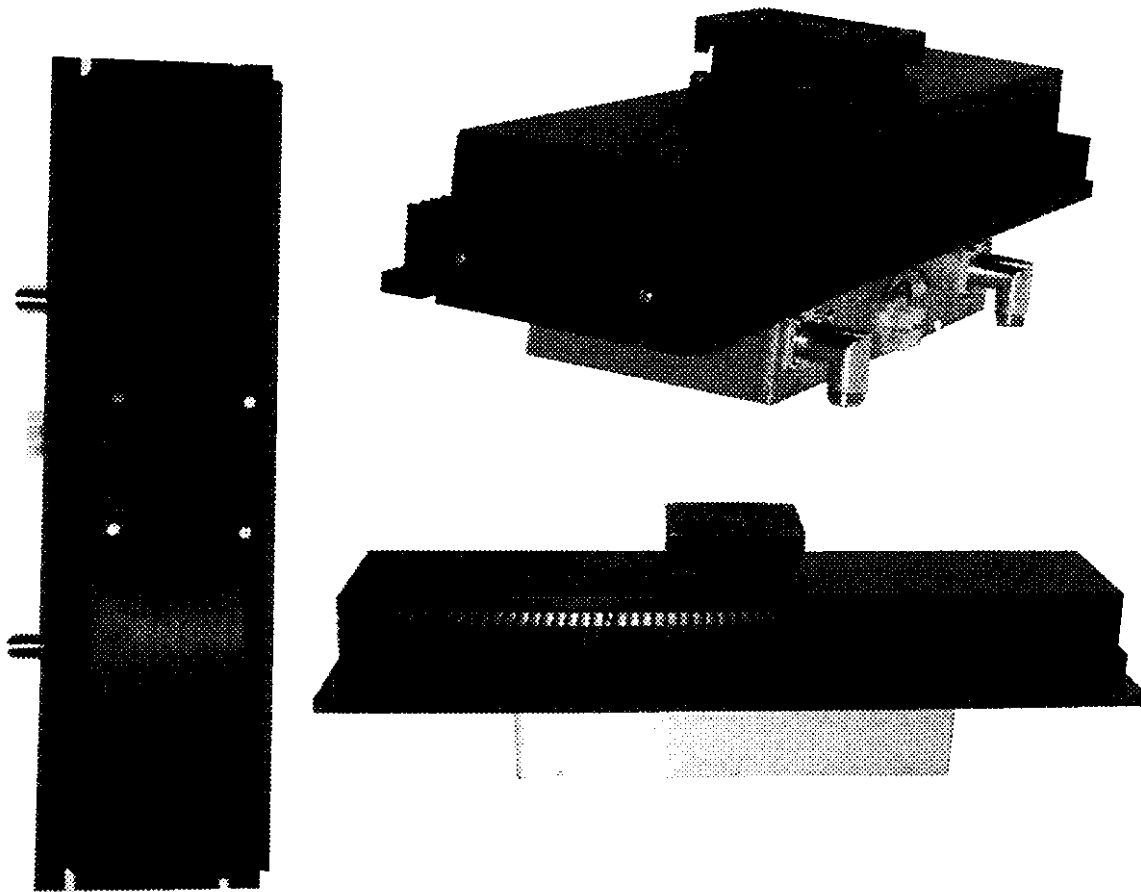
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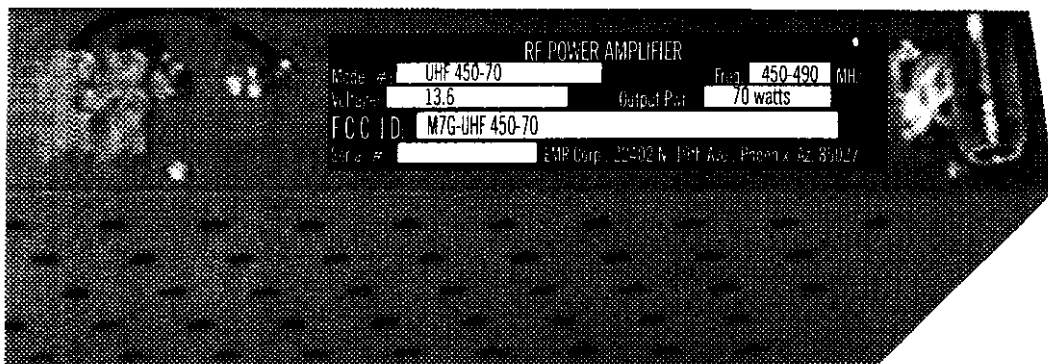
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The UHF 450-70 Series of EMR amplifiers are intended for use in commercial communications systems. Applications include land mobile repeaters, trunking and data systems. They will cover the frequency range extending from 450 MHz to 490 MHz

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



FCC Type Acceptance
Label Placement



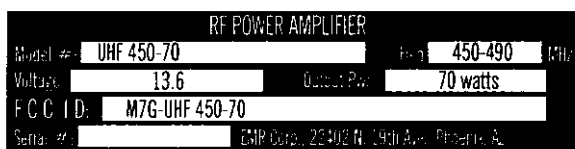
GENERAL SPECIFICATIONS

FREQUENCY RANGE:	450-490 MHz
OPERATING MODE:	FM
MODEL #:	UHF 450-70
OUTPUT POWER:	70 WATTS
OPERATING TEMPERATURE RANGE:	-20 to +50 Deg. C
OPERATING VOLTAGE:	+13.6 VDC / 14 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



For placement see: **PRODUCT SPECIFICATIONS**

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