

PARTS LIST

GMRS680 (AMWU1893)

Note: This parts list shows only for "active components" in a transmitter, such as transistors, integrated circuits, crystals, and such.

REF No	DESCRIPTION	SPEC	FUNCTION
D101	DIODE	1SS390 TE61	ANT SW
D102	DIODE	1SS390 TE61	ANT SW
D201	DIODE	GD LL4148	MIC SW
D204	DIODE	1SS226 TE85L	VOX DET
D302	DIODE	GD LL4148	PWR SW
D303	DIODE	GD LL4148	PWR SW
D304	DIODE	GD LL4148	PWR SW
D305	DIODE:LED	LTST-S320GKT	LED
D306	DIODE:LED	LTST-S320GKT	LED
D401	DIODE	MA2SV0200L	VCO
D402	DIODE:VARICAP	HVU307 TRU	REF OSC
IC101	INTEGRATED CIRCUIT	NJM2904M (TE3)	AF AMP
IC102	INTEGRATED CIRCUIT	NJM386M TE3	SP AMP
IC201	INTEGRATED CIRCUIT	NJM2904M (TE3)	MIC AMP
IC202	INTEGRATED CIRCUIT	NJM2904M (TE3)	AF FILTER
IC302	INTEGRATED CIRCUIT	NJM2870F03(TE1)	REGULATOR
IC303	INTEGRATED CIRCUIT	XC61CC2202MR/XC61AC2202MF	RESET
IC304	INTEGRATED CIRCUIT	AT24C02N-10SI-1.8	EEPROM
IC401	INTEGRATED CIRCUIT	AN6311FA-V	COMBO IC
Q101	TRANSISTOR	DB-1075 55GN01M-TL	RF AMP
Q102	TRANSISTOR	DB-1075 55GN01M-TL	MIXER
Q103	TRANSISTOR	DB-862 2SC3052-T12-1F	SQ SW
Q104	TRANSISTOR	DB-090 2SA1365-T12-F T1	SQ SW
Q201	FIELD EFFECT TRANSISTOR	DC-282 NE5510279A-T1	TX FNL AMP
Q202	TRANSISTOR	DB-803 2SC4226-R24 T1	TX DRIVER
Q203	TRANSISTOR	DB-1075 55GN01M-TL	TX PRE DRIVER
Q204	TRANSISTOR	DB-862 2SC3052-T12-1F	TX PWR H/L SW
Q205	TRANSISTOR	DB-862 2SC3052-T12-1F	TX MUTE SW
Q206	TRANSISTOR	DB-862 2SC3052-T12-1F	MIC AMP
Q301	TRANSISTOR	DB-092 2SA1235A-T12-1F	PWR SW
Q302	TRANSISTOR	DB-092 2SA1235A-T12-1F	PWR SW
Q304	TRANSISTOR	DB-862 2SC3052-T12-1F	BACKLIT SW
Q401	TRANSISTOR	DB-866 2SC5635-T22-1U	LOCAL AMP

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Q402	TRANSISTOR	DB-1075 55GN01M-TL	VCO
Q403	TRANSISTOR	DB-862 2SC3052-T12-1F	RIPPLE FILTER
Q404	TRANSISTOR	DB-862 2SC3052-T12-1F	DATA SW
Q405	TRANSISTOR	DB-092 2SA1235A-T12-1F	TX FNL SW
Q406	TRANSISTOR	DB-092 2SA1235A-T12-1F	RX SW
Q407	TRANSISTOR	DB-092 2SA1235A-T12-1F	TX SW
Q408	TRANSISTOR	DB-092 2SA1235A-T12-1F	SYNTH SW
Q409	TRANSISTOR	DB-862 2SC3052-T12-1F	TX FINAL SW
X401	CRYSTAL	QX-724 10.1MHZ	REF OSC

GENERAL INFORMATION

General Information in accordance with the Federal Communications Commission Rules and Regulations, Volume II, Part 2.

1. Applicant:

Uniden America Corporation
Engineering Services Office
216 John Street, P.O. Box 580
Lake City, South Carolina 29560
Mr. James R. Haynes, Vice president

2. Equipment Identification:

FCC ID: AMWUT893
MODEL : GMRS680

3. Quantity: Quantity Production is planned.

4. Emission Type: 11K0F3E

5. Frequency Range: 462.5625 – 467.7150MHz (FRS)
462.5500 – 462.7250MHz (GMRS)

6. Operating Power: Conducted: 0.4 W (FRS) / 2.0 W (GMRS)
ERP : 0.1 W (FRS) / 0.48 W (GMRS)

7. Max. Power Rating:

According to the section 95.639 of the FCC Rules.

8. DC voltage and current into Final Amplifying Device:

Refer to test data

9. Solid State Devices: Refer to Parts List/Tune-up Info

10. Circuit & Block Diagrams: Refer to EXHIBITS

11. Instruction Manual: Refer to User Manual

12. Tune-up Procedures: Refer to Parts List/Tune-up Info

13. Circuit Descriptions: Refer to Operational Description

Means for Frequency Stabilization
Means for Attenuation of Spurious Emissions
Means for Limiting Modulation

14. Description of Digital Modulation Techniques:

Not Applicable

15. Standard Test Conditions:

The following conditions and procedures were followed during testing of the equipment.

Room Temperature: 23 - 27 Degrees Celsius
Room Humidity: 40 - 60 %

Power Supply Voltage: 6.0V (4 AAA Alkaline batteries only)

Note: Prior to testing, the unit is tuned-up according to the manufacturer's alignment procedure.

All presented data will represent the "worst case" parameter being measured.

16. Equipment Identification:

A drawing of the equipment's Identification Label and, its location are as shown in ID Label/Location Info.

17. Photographs:

External photographs of the unit as well as internal photos of the printed circuit boards are found in External Photos and Internal photographs.