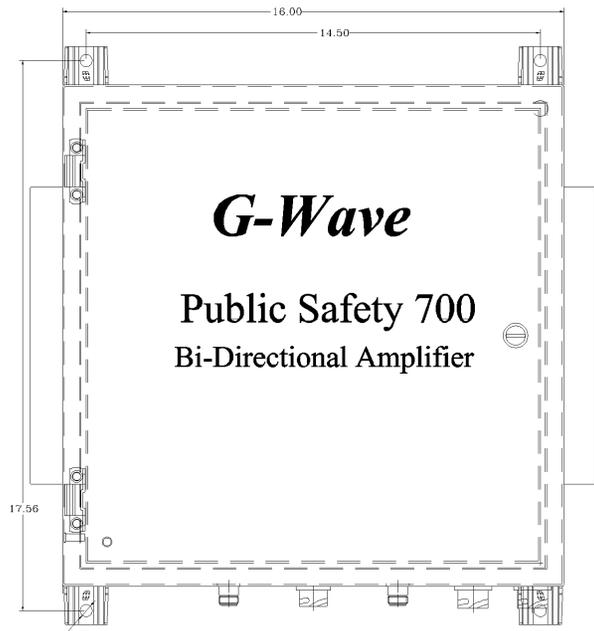


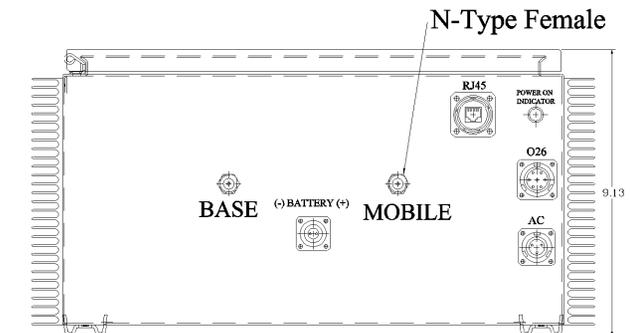
REVISIONS			
REV		DATE	APPROVED



G-Wave

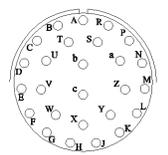
Public Safety 700

Bi-Directional Amplifier



INCLUDED OPTIONS	Description
O26	Standard NFPA Compliant Local Alarming via 26-Pin Connector
GUI	Remote Monitoring And Gain Control Via RJ45
RED	RED Enclosure
S1	External +24 to +26.5 VDC Back Up
D	Cannon type AC Connector (No AC/DC Protections)
VA	Local Visual Alarms

PIN OUT NFPA O26

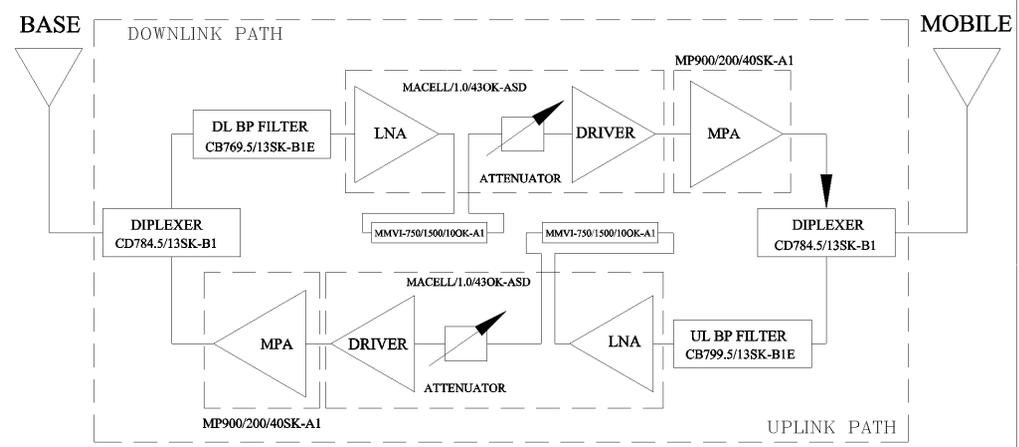


PIN #	DESCRIPTION (O26 GUI)
A	1-NO DL/UL Current Alarm
B	1-COM DL/UL Current Alarm
D	2-NO Donor Antenna Alarm
E	2-COM Donor Antenna Alarm
G	3-NO DC Backup Alarm
H	3-COM DC Backup Alarm
K	
L	
N	GND
P	GND
R	+12 VDC 200mA
S	+12 VDC 200mA (STNB)

WITHOUT INCLUSION OF ACSP OPTION, THIS UNIT MAY NOT BE POWERED BY A GENERATOR.

SKU # XXXX-XXXX

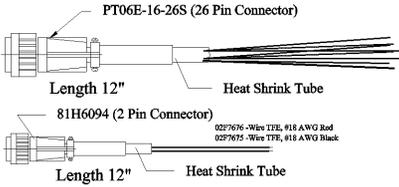
DC Current Draw @ +24VDC: 2.12A



Electrical Specifications

- *Down-Link (Base to Mobile) Frequency Range [MHz] : 768 - 776
- *Up-Link (Mobile to Base) Frequency Range [MHz] : 798 - 806
- *Selectivity @ +/- 2 MHz from Passband [dBc] : 40 (Typ.)
- *Gain (Minimum attenuation) [dB] : 80 (Min.)
- *Gain Flatness [dB] : +/- 1.5 (Typ.)
- *Noise Figure (System) [dB] : 6.0 (Max.), 5.0 (Typ.)
- *Attenuation Range [dB] : 0 - 30 in 1-dB steps
- *Output Power ALC Set [dBm]
 - Uplink : +27 ± 1
 - Downlink : +30 ± 1
- *Output Composite Power [dBm]
 - Uplink : +27 (Typ.)
 - Downlink : +30 (Typ.)
 - Uplink : +48 (Typ.)
 - Downlink : +50 (Typ.)
- *3rd Order Output Intercept Point [dBm] @ 2 tones + 24 dBm each
- *3rd Order Output Intercept Point [dBm] @ 2 tones + 27 dBm each
- *Power Supply : 110V/0.58A to 220V/0.29A (Autoranging) 50 to 60 Hz
- *Propagation Delay [uSec] : < 0.3
- *Input/Output Impedance : 50 ohm
- *VSWR IN/OUT : < 1.5:1
- *Net Weight (Estimated) : < 22.5 kg/49.6 lb
- *PAINT: FLAT EPOXY RED

WARNING. This is NOT a CONSUMER device. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENSE or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of \$100,000 for each continuing violation.



NEMA 4 ENCLOSURE

DIMENSIONS ARE IN INCHES:		CONTRACT NO:		OPERATING TEMPERATURE RANGE: -30°C TO +55°C	
TOLERANCES ARE:	ANGLES	DECIMALS	APPROVALS	DATE	TITLE
± 1"		X ± .05		06/20	NFPA 700 MHz LMR BDA
.XX ± .01		.XXX ± .003	DRAWN	Sivak	BDA-PS7W-37/37-90-N (IC)
	TREATMENT	CHECKED			SIZE
	FINISH	ENG.			CAGE CODE
	MATERIAL	DESIGN ACTIVITY			DWG NO:
					BDA-PS7-27/30-80-N-1
					REV.
					0
					SCALE
					None
					SHEET
					1 OF 1