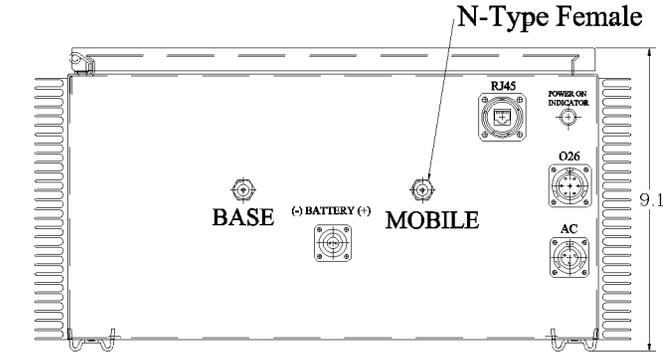
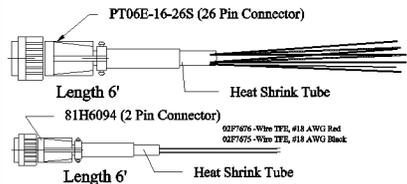


G-Wave

Public Safety 700/800 Bi-Directional Amplifier



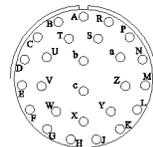
WARNING. This is NOT a CONSUMER device. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENSE or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess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



INCLUDED OPTIONS	Description
ODSC	Oscillation Detect, Display and Auto Shutdown of all Amplifiers
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
6'	All Pigtails Extended to 6'
D	Cannon type AC Connector (No AC/DC Protections)
ACSP	AC Surge protection and DC Line conditioning
VA	Local Visual Alarms

PIN #	DESCRIPTION
A	1-NO DL/UL Current Alarm
B	1-COM DL/UL Current Alarm
C	
D	2-NO Donor Antenna Alarm
E	2-COM Donor Antenna Alarm
F	
G	3-NO DC Backup Alarm
H	3-COM DC Backup Alarm
J	
K	4-NO ODSC Alarm
L	4-COM ODSC Alarm
M	
N	GND
P	GND
R	+12 VDC 200mA
S	+12 VDC 200mA (STNB)

PIN OUT NFPA O26



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

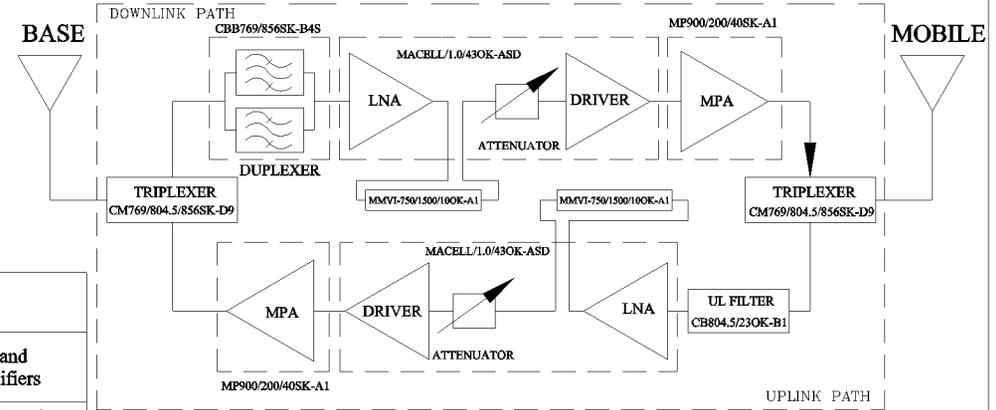
SKU # 11304068

DC Current Draw @ +24VDC: 1.92A

NEMA 4 ENCLOSURE

FCC ID: Q8KPS7W83790N

REVISIONS			
REV	DATE	APPROVED	



Electrical Specifications

- *Down-Link (Base to Mobile) Frequency Range [MHz] : 763 - 775 / 851 - 861
- *Up-Link (Mobile to Base) Frequency Range [MHz] : 793 - 816
- *Gain (Minimum attenuation) [dB] : 80 (Min.), 85 (Typ.)
- *Gain Flatness [dB] : +/- 1.5 (Typ.)
- *Attenuation Downlink @ 862 MHz [dBc] : 30 (Typ.)
- *Noise Figure (System) [dB] : 5.5 (Max.), 5.0 (Typ.)
- *Attenuation Range [dB] : 0 - 30 in 1-dB steps
- *Output Power ALC Set [dBm]
 - Uplink : +27 ± 1
 - Downlink : +27 ± 1
 - Uplink : +27 (Typ.)
 - Downlink : +27 (Typ.)
 - Uplink : +48 (Typ.)
- *Output Composite Power [dBm]
 - Uplink : +27 (Typ.)
 - Downlink : +27 (Typ.)
 - Uplink : +48 (Typ.)
- *3rd Order Output Intercept Point [dBm] @ 2 tones + 24 dBm each
 - Uplink : +48 (Typ.)
 - Downlink : +48 (Typ.)
- *3rd Order Output Intercept Point [dBm] @ 2 tones + 24 dBm each
 - Downlink : +48 (Typ.)
- *Power Supply : 110V/0.52A to 220V/.26A (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

DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		CONTRACT NO:		OPERATING TEMPERATURE RANGE: -30°C TO +55°C	
ANGLES	DECIMALS	APPROVALS	DATE	G-Wave Solutions	
± 1"	.XX ± .01 .XXX ± .003	DRAWN David	08/19	TITLE NFPA Compliant 700/800 MHz BDA	
TREATMENT	CHECKED			BDA-PS7/PS8NEPS-N-27/27-80-N	
FINISH	ENG.			SIZE	CAGE CODE
MATERIAL	DESIGN ACTIVITY			A	DWG NO:
				BDA-PS7/PS8NEPS-N-27/27-80-N-1	
				SCALE	SHEET 1 OF 1