

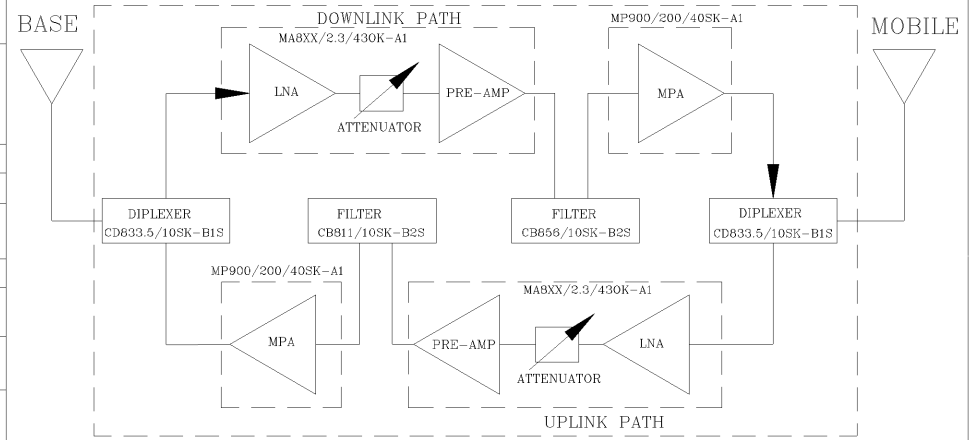
**WARNING.** This is NOT a CONSUMER device. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENSE or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess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

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

**SKU # 11602228**

INCLUDED OPTIONS	Description
<b>D</b>	<b>Cannon type Circular AC Connector (No AC/DC Protections)</b>
<b>VA</b>	<b>Local Visual Alarms</b>

REVISIONS			
REV		DATE	APPROVED



## Electrical Specifications

- \*Down-Link (Base to Mobile) Frequency Range [MHz] : 851 - 861
- \*Up-Link (Mobile to Base) Frequency Range [MHz] : 806 - 816
- \*Selectivity @ +/- 4 MHz from Passband [dBc] : 40 (Min.)
- \*Gain (Minimum attenuation) [dB] : 80 (Min.), 85 (Typ.)
- \*Gain Flatness [dB] : +/- 1.5 (Typ.)
- \*Noise Figure (System) [dB] : 5.5 (Max.), 5.0 (Typ.)
- \*Manual Attenuation Range [dB] : 0 - 30 in 2-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.)
- \*3rd Order Output Intercept Point [dBm] @ 2 tones + 24 dBm each
- \*3rd Order Output Intercept Point [dBm] @ 2 tones + 27 dBm each
  - Downlink : +50 (Typ.)
- \*Power Supply : 110V/0.47A to 220V/.23A (Autoranging) 50 to 60 Hz
- \*Propagation Delay [uSec] : < 0.3
- \*Input/Output Impedance : 50 ohm
- \*VSWR IN/OUT : < 1.5:1
- \*Net Weight : < 16 kg/35 lb
- \*PAINT: TEXTURED EPOXY BROWN

OPERATING TEMPERATURE RANGE: -30°C TO +55°C

**NEMA 4 ENCLOSURE**

FCC ID: Q8KPS8N3790C

DIMENSIONS ARE IN INCHES: TOLERANCES ARE:		CONTRACT NO:		<b>G-Wave Solutions</b>	
ANGLES ± 1°	DECIMALS X ± .05 XX ± .01 XXX ± .003	APPROVALS	DATE		
TREATMENT		DRAWN Sivak	10/16	800 MHz LMR BDA	
FINISH ✓		CHECKED		<b>BDA-PS8NEPS-27/30-80-C</b>	
MATERIAL		ENG.		SIZE A	
		DESIGN ACTIVITY		CAGE CODE	
				DWG NO:	
				<b>BDA-PS8NEPS-27/30-80-C-1</b>	
				REV. 0	
				SCALE None	
				SHEET 1 OF 1	