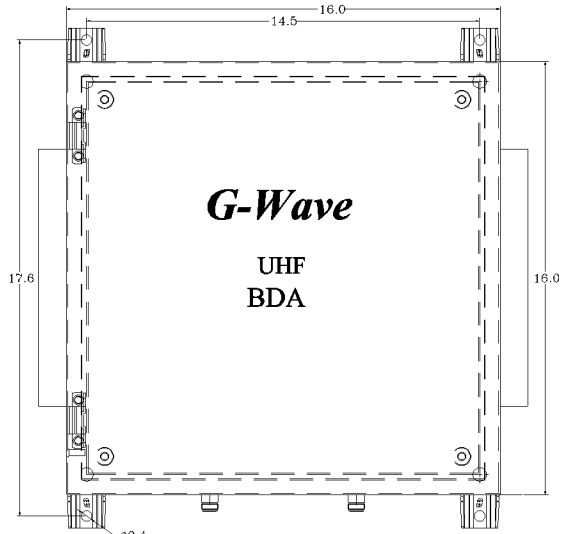


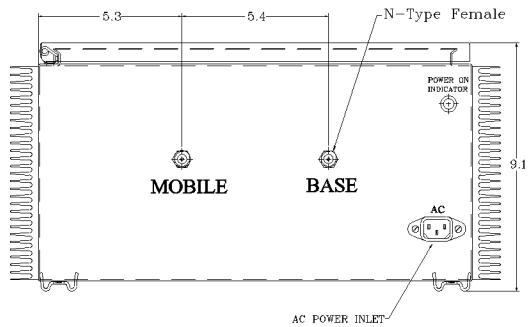
This is a Generic Specification provided for electric specification definition and is not available for purchase. Exact frequencies must be provided and a final specification generated prior to order. G-Wave BDAs are factory tuned.

\*\* Dimensions subject to change upon final spec



**G-Wave**

**UHF BDA**



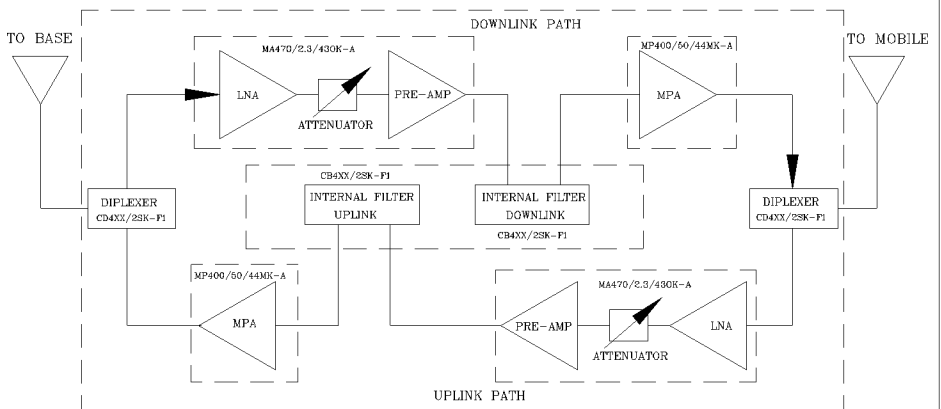
**WARNING.** This is NOT a CONSUMER device. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENSE or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess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

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

**SKU # 13302387**

AVAILABLE OPTIONS	Description

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	Part Numbering System Changed	11/12	G. David



### Electrical Specifications

- \*Down-Link (Base to Mobile) Frequency Range [MHz] : 380 - 512
- \*Up-Link (Mobile to Base) Frequency Range [MHz] : 380 - 512
- \*Frequency of Operation Bandwidth [MHz] : 2
- \*Minimum Passband Separation [MHz] : 3
- \*Gain (Minimum attenuation) [dB] : 70 (Min.), 75 (Typ.)
- \*Gain Flatness [dB] : +/- 2.0 (Typ.)
- \*Noise Figure (System) [dB] : 6.0 (Max.), 5.5 (Typ.)
- \*Manual Attenuation Range [dB] : 0 - 30 in 2-dB steps
- \*Output Power ALC Set [dBm]
  - Uplink : +31±1
  - Downlink : +31±1
- \*Output Composite Power [dBm]
  - Uplink : +31 (Typ.)
  - Downlink : +31 (Typ.)
  - Uplink : +50 (Typ.)
- \*3rd Order Output Intercept Point [dBm] @ 2 tones + 28 dBm each
  - Downlink : +50 (Typ.)
- \*3rd Order Output Intercept Point [dBm] @ 2 tones + 28 dBm each
  - Downlink : +50 (Typ.)
- \*Power Supply : 110V/0.51A to 220V/0.26A (Autoranging) 50 to 60 Hz
- \*Propagation Delay [uSec] : <0.3
- \*Input/Output Impedance : 50 ohm
- \*VSWR IN/OUT : <1.5:1
- \*Net Weight : < TBD
- \*PAINT: FLAT EPOXY GRAY

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

**NEMA 4 ENCLOSURE**

DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		CONTRACT NO:		<b>G-Wave Solutions</b>	
ANGLES ± 1°	DECIMALS .XX ± .05 .XX ± .01 .XXX ± .005	APPROVALS	DATE		
TREATMENT	FINISH 63 ✓	DRAWN Sivak	07/12	UHF BDA	
MATERIAL	DESIGN ACTIVITY	CHECKED		BDA-UHF/2-31/31-70-N	
		ENG.		SIZE	CAGE CODE
				A	DWG NO:
				BDA-UHF/2-31/31-70-N-1	
				SCALE None	SHEET 1 OF 1

FCC ID Q8KUHF3680N