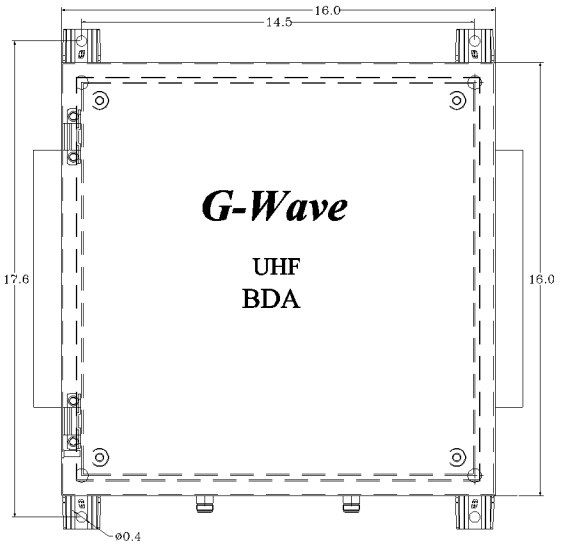
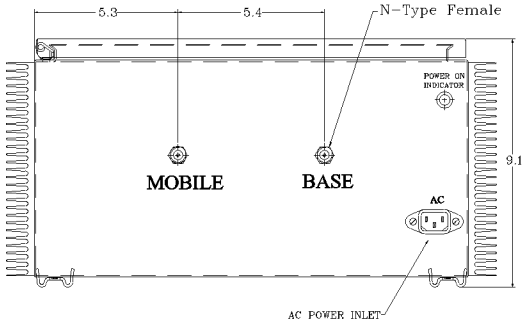
This is a Generic Specification provided for electric specification definition and is not available for purchase. Exact frequencies must be provided and a final specification generated prior to order. G-Wave BDAs are factory tuned.

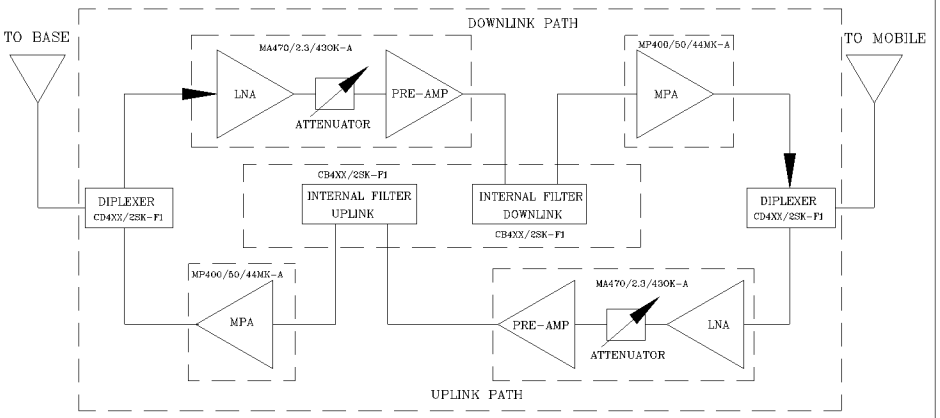
** Dimensions subject to change upon final spec





AVAILABLE OPTIONS	Description

REVISIONS			
REV		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]		:	1
*Minimum Passband Seperation [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.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 28 dBm each	Uplink	:	+50 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 28 dBm each	Downlink	:	+50 (Typ.)
*Power Supply		:	110V/0.51A 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		:	< TBD

*PAINT: FLAT EPOXY GRAY

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

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 # 13302386

NEMA 4 ENCLOSURE

FCC ID Q8KUHF3680N

DIMENSIONS ARE IN INCHES. TOLERANCES ARE: ANGLES ± 1° DECIMALS .X ± .05 .XX ± .01 .XXX ± .003	CONTRACT NO:		**G-Wave Solutions**
	APPROVALS	DATE	TITLE: UHF BDA
	DRAWN Sivak	07/12	BDA-UHF/1-31/31-70-N
TREATMENT	CHECKED		
FINISH 63	ENG.		SIZE A | CAGE CODE | DWG NO: BDA-UHF/1-31/31-70-N-1 | REV. A
MATERIAL	DESIGN ACTIVITY		SCALE None | SHEET 1 OF 1