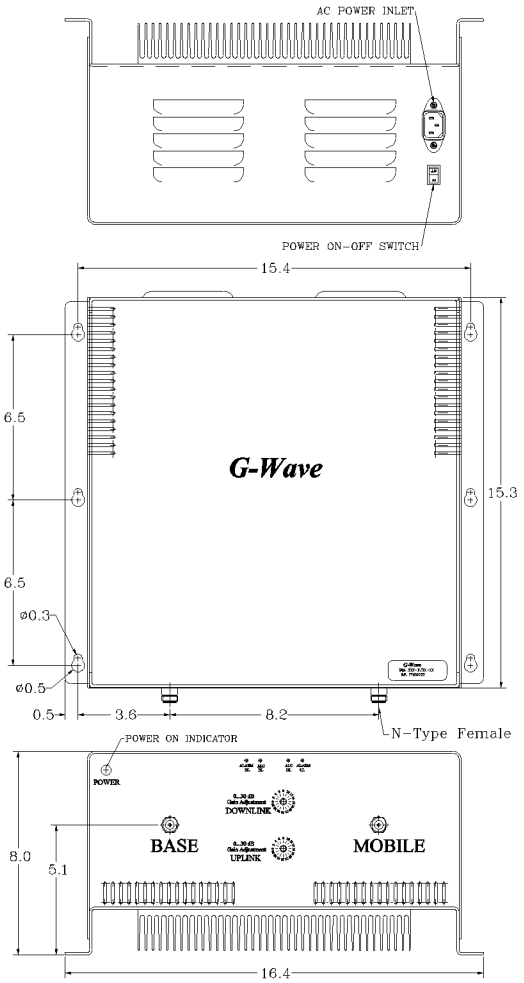
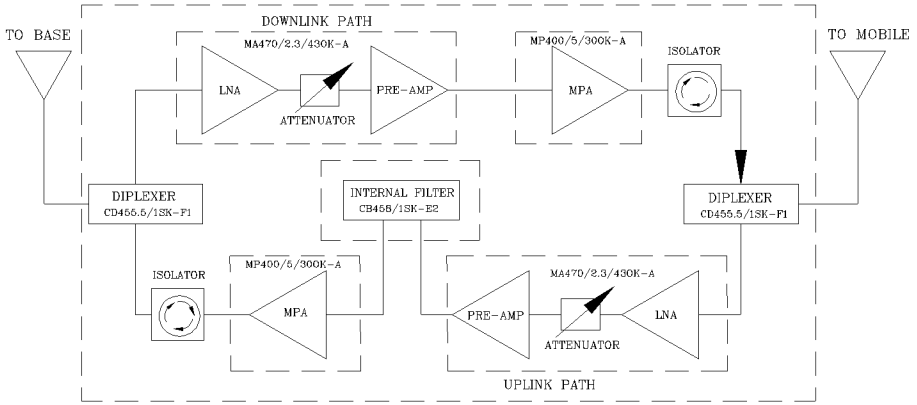
This is a Generic Specification provided for electric specification definition and is not available for purchase. Exact frequencies must be provided and a final specification generated prior to order. G-Wave BDAs are factory tuned.



AVAILABLE OPTIONS	Description

REVISIONS			
REV		DATE	APPROVED
A	Enclosure changed to reflect additional filters inside.	11/11	G. David
B	Part Numbering System Changed	06/13	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]	: 55 (Min.) , 60 (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 : +20±1 Downlink : +20±1
*Output Composite Power [dBm]	Uplink : +20 (Typ.) Downlink : +20 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 17 dBm each	Uplink : +37 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 17 dBm each	Downlink : +37 (Typ.)
*Power Supply	: 110V/0.34A to 220V/.17A (Autoranging) 50 to 60 Hz
*Propagation Delay [uSec]	: <0.3
*Input/Output Impedance	: 50 ohm
*VSWR IN/OUT	: <1.5:1
*Net Weight	: < 17.5 kg/38.9 lb
*PAINT: TEXTURED EPOXY BROWN	

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

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

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.

SKU # 13502368

FCC ID Q8KUHF3680AB

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	10/12	BDA-UHF/1-20/20-55-AB
TREATMENT	CHECKED		SIZE A | CAGE CODE | DWG NO: BDA-UHF/1-31/20-55-AB-1 | REV. B
FINISH 63	ENG.		
MATERIAL	DESIGN ACTIVITY		SCALE None | SHEET 1 OF 1