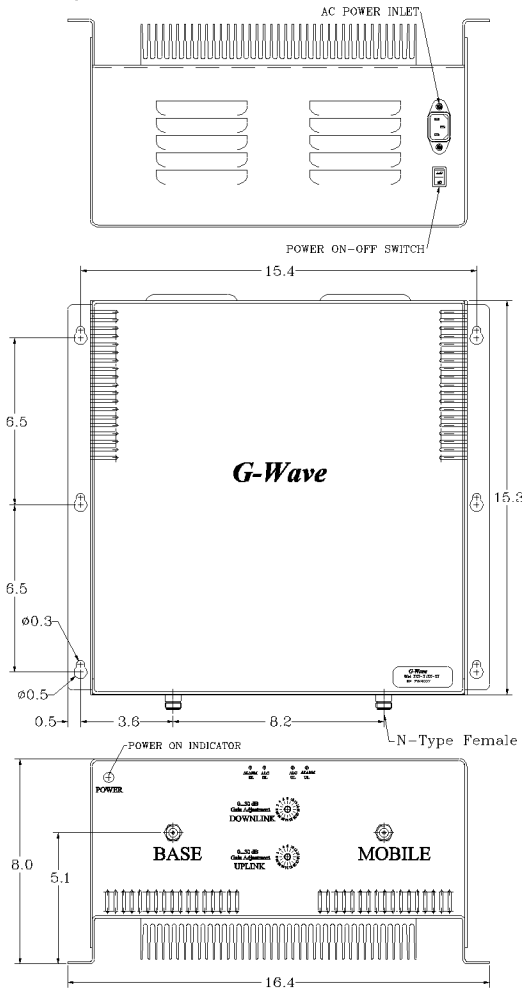


This is a Generic Specification provided for electric specification definition and is not available for purchase. Exact frequencies must be provided and a final specification generated prior to order. G-Wave BDAs are factory tuned.



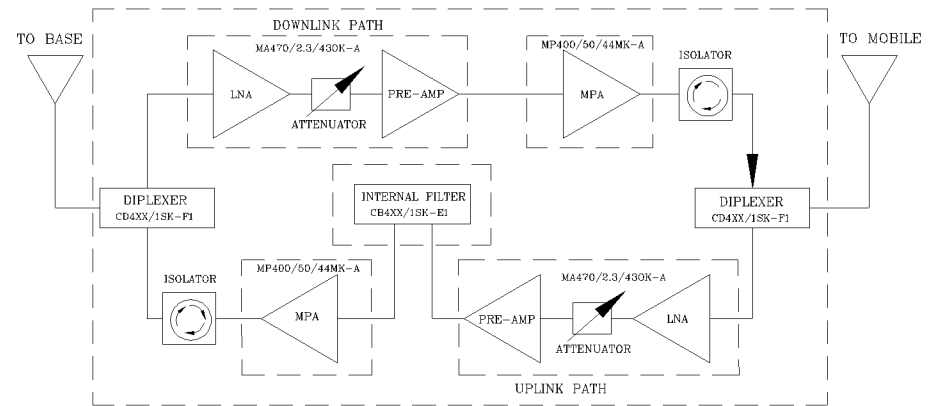
WITHOUT INCLUSION OF ACSP OPTION, THIS UNIT MAY NOT BE POWERED BY A GENERATOR.

SKU # 13502374

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.

AVAILABLE OPTIONS	Description

REVISIONS			
REV	DESCRIPTION	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 Separation [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 : +31±1
Downlink : +20±1

- *Output Composite Power [dBm] : Uplink : +31 (Typ.)
Downlink : +20 (Typ.)
Uplink : +50 (Typ.)
Downlink : +37 (Typ.)

- *3rd Order Output Intercept Point [dBm] @ 2 tones + 28 dBm each
- *3rd Order Output Intercept Point [dBm] @ 2 tones + 17 dBm each
- *Power Supply : 110V/0.34A to 220V/1.7A (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

DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		CONTRACT NO:		<h2 style="text-align: center;">G-Wave Solutions</h2>			
ANGLES	DECIMALS	APPROVALS	DATE				
± 1°	.XX ± .05 .XX ± .01 .XXX ± .005	DRAWN Sivak	10/12	TITLE	UHF BDA		
TREATMENT		CHECKED		BDA-UHF/1-31/20-55-AB			
FINISH	63	ENG.		SIZE	CAGE CODE	DWG NO:	REV.
MATERIAL		DESIGN ACTIVITY		A		BDA-UHF/1-31/20-55-AB-1	B
				SCALE	None		SHEET 1 OF 1

FCC ID Q8KUHF3680AB