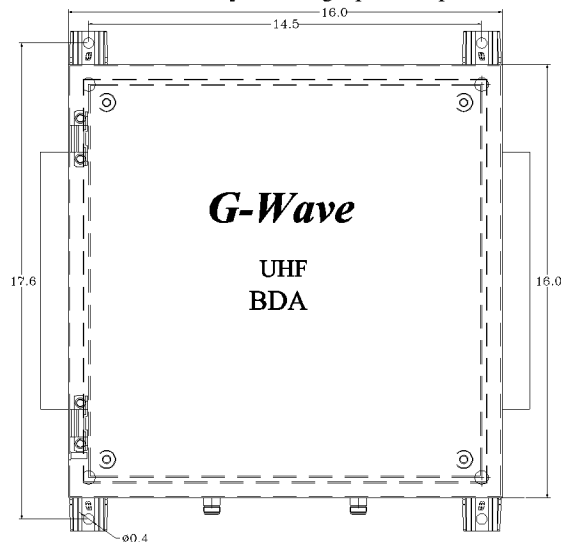


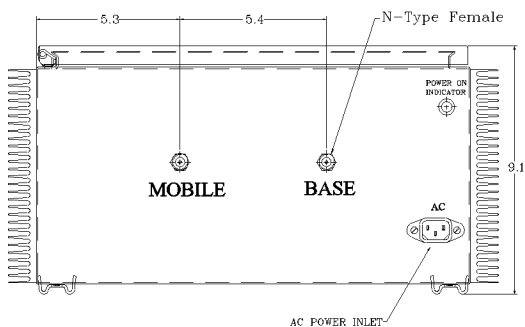
This is a Generic Specification provided for electric specification definition and is not available for purchase. Exact frequencies must be provided and a final specification generated prior to order. G-Wave BDAs are factory tuned.

\*\* Dimensions subject to change upon final spec



**G-Wave**

**UHF BDA**



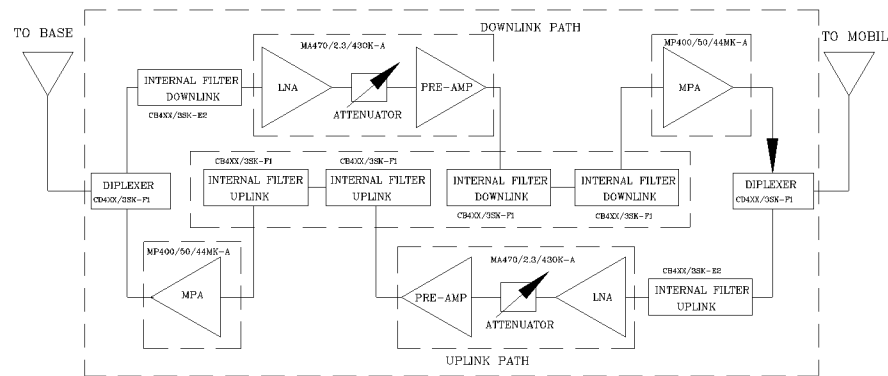
WARNING. This is NOT a CONSUMER device. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENSE or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess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

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

**SKU # 13302388**

| AVAILABLE OPTIONS | Description |
|-------------------|-------------|
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| 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] : 3
- \*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/.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

**NEMA 4 ENCLOSURE**

|   |                                   |                         |      |                      |                        |
|---|-----------------------------------|-------------------------|------|----------------------|------------------------|
| OPERATING TEMPERATURE RANGE: -30°C TO +55°C |                                   | <b>G-Wave Solutions</b> |      |                      |                        |
| TOLERANCES ARE:                             |                                   | CONTRACT NO:            |      | TITLE                |                        |
| ANGLES ± 1°                                 | DECIMALS .XX ± .01<br>.XXX ± .003 | APPROVALS               | DATE | UHF BDA              |                        |
| TREATMENT                                   |                                   | DRAWN Sivak 07/12       |      | BDA-UHF/3-31/31-70-N |                        |
| FINISH 63                                   |                                   | CHECKED                 |      | SIZE                 | CAGE CODE              |
| MATERIAL                                    |                                   | ENG. DESIGN ACTIVITY    |      | DWG NO:              |                        |
|   |                                   |                         |      | A                    | BDA-UHF/3-31/31-70-N-1 |
|   |                                   |                         |      | SCALE None           | SHEET 1 OF 1           |

FCC ID Q8KUHF3680N