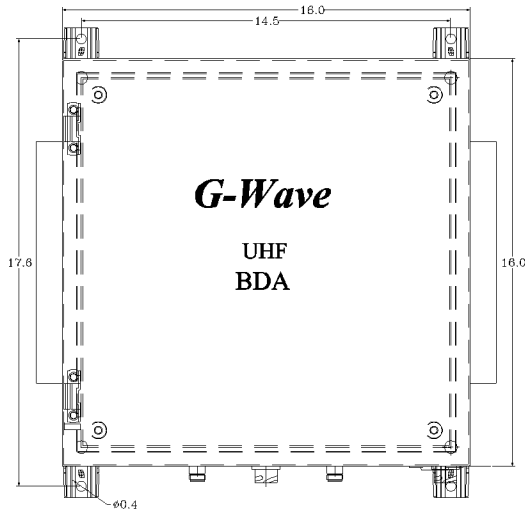


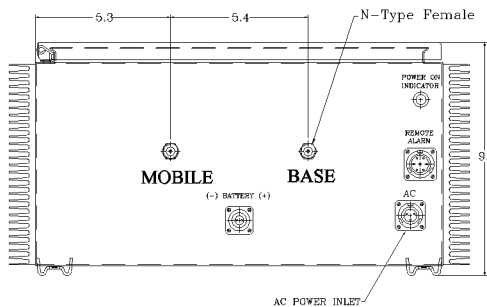
This is a Generic Specification provided for electric specification definition and is not available for purchase. Exact frequencies must be provided and a final specification generated prior to order. G-Wave BDAs are factory tuned.

** Dimensions subject to change upon final spec

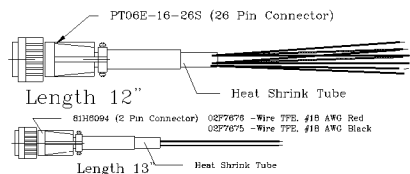


G-Wave

**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.



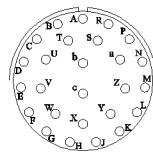
SKU # 13302377

DC Current Draw @ +24VDC: 1.88A

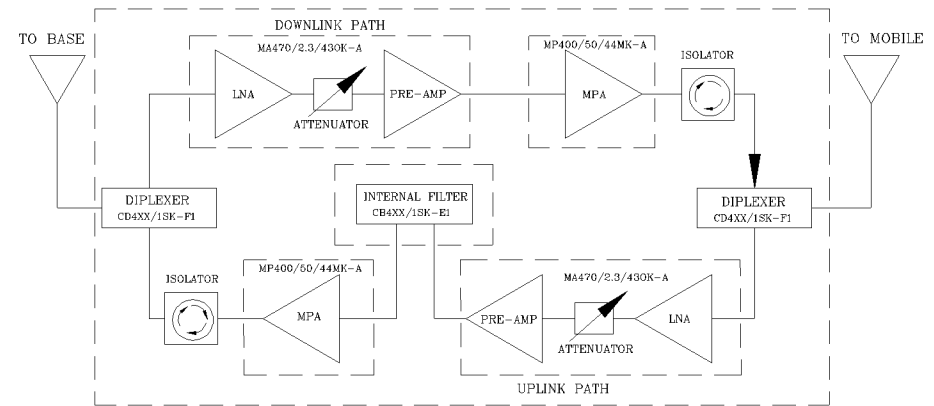
AVAILABLE OPTIONS	Description
S1	External +24 to 26.5 VDC Back Up
O26	NFPA Local Alarming via 26 Pin Connector and Pigtail
D	Cannon Type AC Connector (No AC/DC Protections)
RED	RED Enclosure

PIN #	DESCRIPTION
A	1-NO DL/UL Current Alarm
B	1-COM DL/UL Current Alarm
C	1-NC DL/UL Current Alarm
D	2-NO Donor Antenna Alarm
E	2-COM Donor Antenna Alarm
F	2-NC Donor Antenna Alarm
G	3-NO DC Backup Alarm
H	3-COM DC Backup Alarm
J	3-NC DC Backup Alarm
K	
L	
M	
N	GND
P	GND
R	+12 VDC 200mA
S	+12 VDC 200mA (STNB)

PIN OUT NFPA O26



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 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 : +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.)
Downlink : +50 (Typ.)
- *3rd Order Output Intercept Point [dBm] @ 2 tones + 28 dBm each : Downlink : +50 (Typ.)
- *Power Supply : 110V/0.51A to 220V/2.6A (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 LIGHT GRAY

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

NEMA 4 ENCLOSURE

DIMENSIONS ARE IN INCHES. TOLERANCES ARE:		CONTRACT NO:		G-Wave Solutions	
ANGLES	DECIMALS	APPROVALS	DATE	TITLE	
± 1°	.XX ± .05 .XX ± .01 .XXX ± .005		10/12	NFPA UHF BDA	
TREATMENT		DRAWN Sivak	CHECKED	BDA-UHF/1-31/31-55-N	
FINISH	63	ENG.	DESIGN ACTIVITY	SIZE A	CAGE CODE
MATERIAL				DWG NO: BDA-UHF/1-31/31-55-N-1	
				SCALE None	SHEET 1 OF 1

FCC ID Q8KUHF3680N