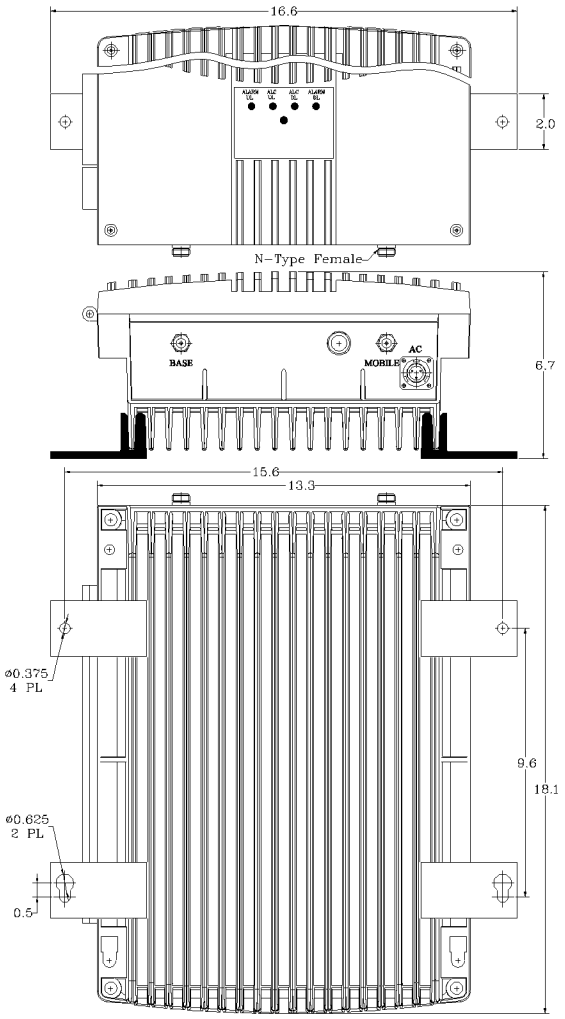
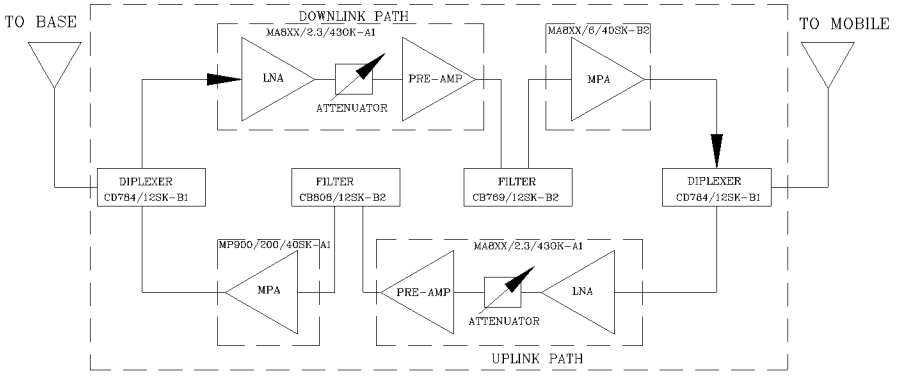


AVAILABLE OPTIONS	Description

REVISIONS			
REV		DATE	APPROVED
A	Part Numbering System Changed.	11/12	G. David



Max Input Signal: -30 dBm

Electrical Specifications

*Down-Link (Base to Mobile) Frequency Range [MHz]		:	763 - 775
*Up-Link (Mobile to Base) Frequency Range [MHz]		:	793 - 805
*Selectivity @ +/- 2 MHz from Passband [dBc]		:	25 (Min.)
@ +/- 4 MHz from Passband [dBc]		:	60 (Typ.)
*Gain (Minimum attenuation) [dB]		:	90 (Min.)
*Gain Flatness [dB]		:	+/- 1.5 (Typ.)
*Noise Figure (System) [dB]		:	5.5 (Max.), 5.0 (Typ.)
*Manual Attenuation Range [dB]		:	0 - 30 in 2-dB steps
*Output Power ALC Set [dBm]	Uplink	:	+25±1
	Downlink	:	+37±1
*Output Composite Power [dBm]	Uplink	:	+25 (Typ.)
	Downlink	:	+37 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 22 dBm each	Uplink	:	+45 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 34 dBm each	Downlink	:	+58 (Typ.)
*Power Supply		:	110V/0.63A to 220V/.32A (Autoranging) 50 to 60 Hz
*Propagation Delay [uSec]		:	<0.3
*Input/Output Impedance		:	50 ohm
*VSWR IN/OUT		:	<1.5:1
*Net Weight		:	< 16 kg/35 lb

*PAINT: TEXTURED EPOXY BROWN

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.

NEMA 4 ENCLOSURE

SKU # 11602311

FCC ID Q8KPS7W3790C

DIMENSIONS ARE IN INCHES. TOLERANCES ARE: ANGLES ± 1° DECIMALS .X ± .05 .XX ± .01 .XXX ± .003	CONTRACT NO:		**G-Wave Solutions**
	APPROVALS	DATE	TITLE: 700 MHz LMR BDA BDA-PS7-25/37-90-C
TREATMENT	DRAWN Sivak	11/11	
FINISH 63	CHECKED		SIZE A | CAGE CODE | DWG NO: BDA-PS7-25/37-90-C-1 | REV. A
MATERIAL	ENG.		
	DESIGN ACTIVITY		SCALE None | SHEET 1 OF 1