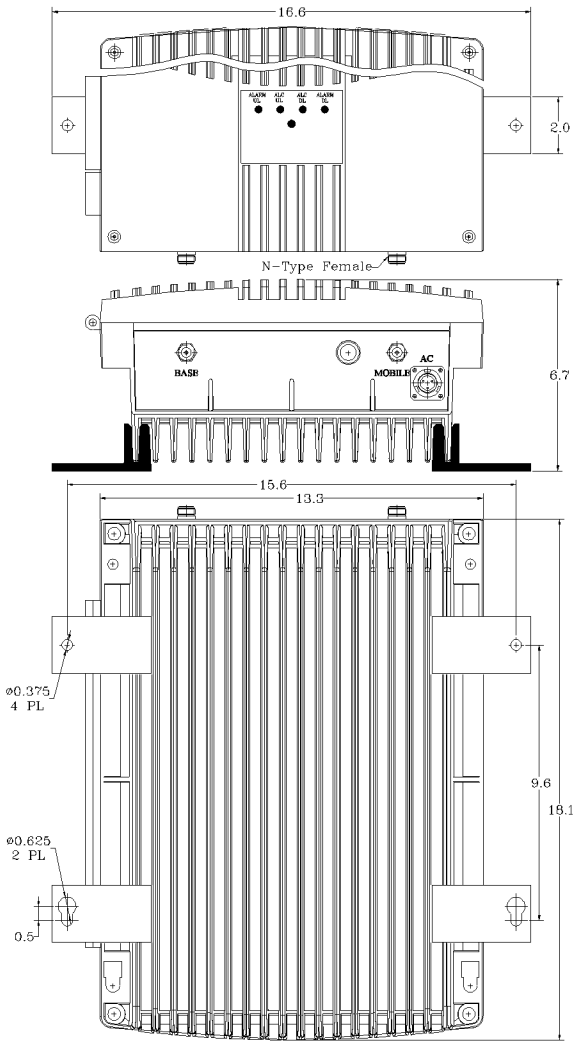
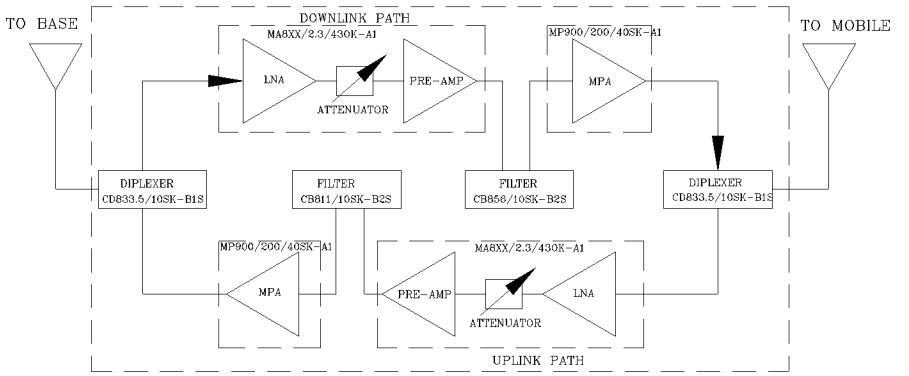


AVAILABLE OPTIONS	Description

REVISIONS			
REV		DATE	APPROVED
A	Linearity and power upgraded (PS8-25/33)	11/12	G. David



Electrical Specifications

*Down-Link (Base to Mobile) Frequency Range [MHz]		:	851 - 861
*Up-Link (Mobile to Base) Frequency Range [MHz]		:	806 - 816
*Rejection @ +1 MHz from Passband [dBc]		:	40 (Min.)
@ +/- 4 MHz from Passband [dBc]		:	50 (Min.)
*Gain (Minimum attenuation) [dB]		:	80 (Min.), 85 (Typ.)
*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	:	+27±1
	Downlink	:	+27±1
*Output Composite Power [dBm]	Uplink	:	+27 (Typ.)
	Downlink	:	+27 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 24 dBm each	Uplink	:	+48 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 24 dBm each	Downlink	:	+48 (Typ.)
*Power Supply		:	110V/0.41A to 220V/.21A (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: FLAT 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.

SKU # 11602174

NEMA 4 ENCLOSURE

FCC ID: Q8KPS8N3790C

DIMENSIONS ARE IN INCHES. TOLERANCES ARE: ANGLES ± 1° DECIMALS .X ± .05 .XX ± .01 .XXX ± .003	CONTRACT NO:		**G-Wave Solutions**
	APPROVALS	DATE	TITLE 800 MHz LMR BDA
	DRAWN Sivak	08/15	BDA-PS8NEPS/N-27/27-80-C
TREATMENT	CHECKED		SIZE A | CAGE CODE | DWG NO: BDA-PS8NEPS/N-27/27-80-C-1 | REV. A
FINISH 63	ENG.		
MATERIAL	DESIGN ACTIVITY		SCALE None | SHEET 1 OF 1