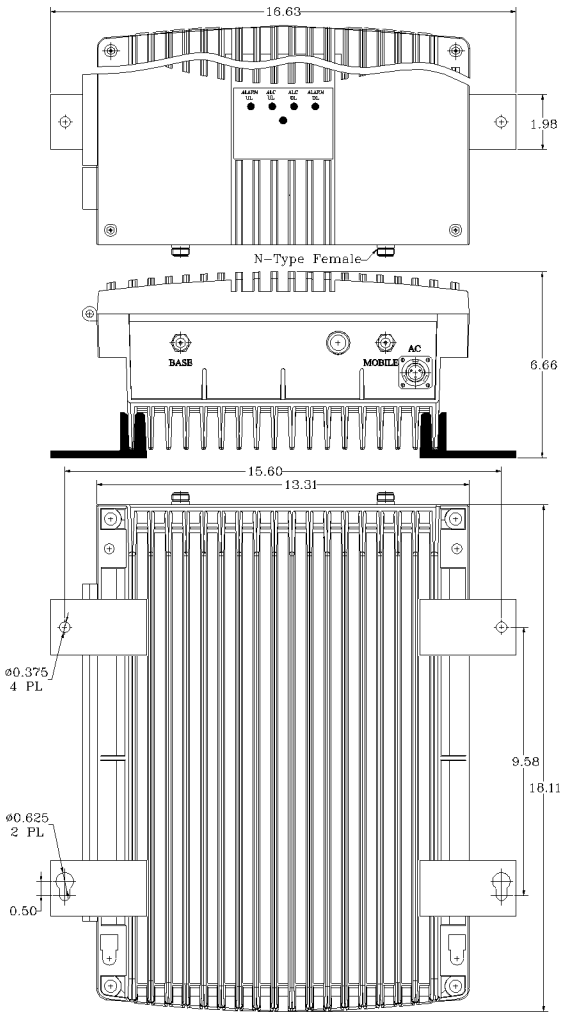
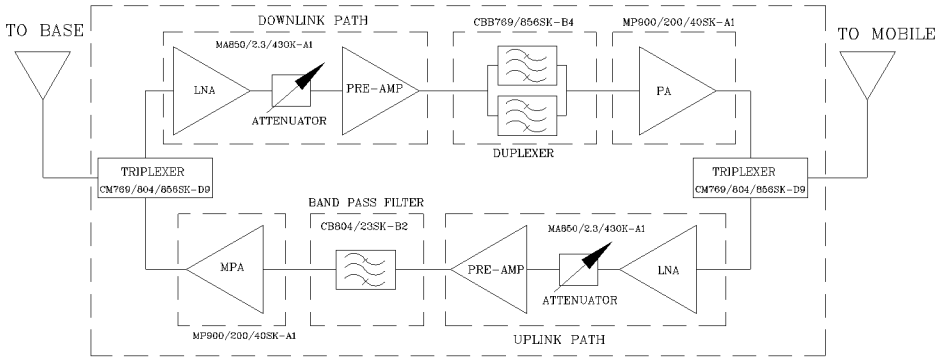


AVAILABLE OPTIONS	Description

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]		:	763 - 775
		:	851 - 861
*Up-Link (Mobile to Base) Frequency Range [MHz]		:	793 - 816
*Attenuation Downlink @ 862 MHz [dBc]		:	30 (Typ.)
*Gain (Minimum attenuation) [dB]		:	80 (Min.), 85 (Typ.)
*Gain Flatness [dB]		:	+/- 1.5 (Typ.)
*Noise Figure (System) [dB]		:	5.0 (Max.), 4.5 (Typ.)
*Manual Attenuation Range [dB]		:	0 - 30 in 2-dB steps
*Output Power ALC Set [dBm]	Uplink	:	+27±1
	Downlink	:	+33±1
*Output Composite Power [dBm]	Uplink	:	+27 (Typ.)
	Downlink	:	+33 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 24 dBm each	Uplink	:	+48 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 30 dBm each	Downlink	:	+52 (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		:	< 16 kg/ 35 lb

*PAINT: FLAT EPOXY BROWN

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

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

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.

NEMA 4 ENCLOSURE

SKU # 11602298

FCC ID Q8KPS7W83790

DIMENSIONS ARE IN INCHES. TOLERANCES ARE: ANGLES ± 1° DECIMALS .X ± .05 .XX ± .01 .XXX ± .003	CONTRACT NO:		**G-Wave Solutions**
	APPROVALS	DATE	TITLE 700/800 MHz LMR BDA
	DRAWN Sivak	06/15	BDA-PS7/PS8NEPS/N-27/33-80-C
TREATMENT	CHECKED		
FINISH 63	ENG.		SIZE A / CAGE CODE / DWG NO: BDA-PS7/PS8NEPS/N-27/33-80-C-1 / REV. A
MATERIAL	DESIGN ACTIVITY		SCALE None / SHEET 1 OF 1