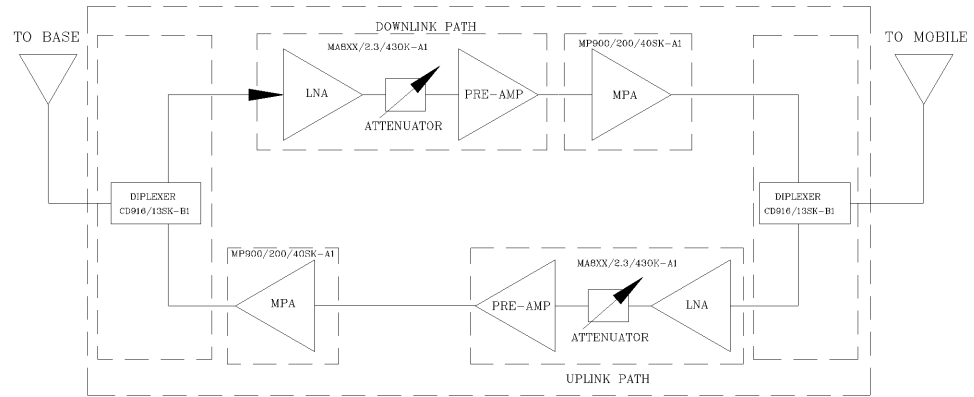


AVAILABLE OPTIONS	Description

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	Linearity and power upgraded (2PGN-25/25)	11/12	G. David



Electrical Specifications

(Standard Unit)

- *Down-Link (Base to Mobile) Frequency Range [MHz] : 929-942
- *Selectivity @ +/- 4 MHz from Passband [dBc] : 35 (Min.)
- *Up-Link (Mobile to Base) Frequency Range [MHz] : 900-903
- *Selectivity @ +/- 4 MHz from Passband [dBc] : 50 (Min.)
- *Gain (Minimum attenuation) [dB] : 80 (Min.), 85 (Typ.)
- *Gain Flatness [dB] : +/- 1.5 (Max.)
- *Noise Figure [dB] : 5.0 (Max.), 4.5 (Typ.)
- *Manual Attenuation Range [dB] : 0-30 in 2dB steps
- *Power Output @ 1 dB Compression [dBm]
 - Uplink : +34.0 (Typ.)
 - Downlink : +40.0 (Typ.)
- *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]
 - Uplink : +48 (Typ.)
 - Downlink : +51 (Typ.)
- *3rd Order Output Intercept Point [dBm] @ 2 tones + 27 dBm each
- *3rd Order Output Intercept Point [dBm] @ 2 tones + 24 dBm each
- *Power Supply : 110V/1.0A to 220V/.50A (Autoranging) 50 to 60 Hz
- *Input/Output Impedance : 50 ohm
- *VSWR IN/OUT : <1.5:1 (Max.)
- *Propagation Delay [uSec] : <0.25
- *PAINT: TEXTURED EPOXY BROWN
- *Net Weight : <10.5 kg/23.3 lb

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 # 14502259

DC Current Draw @ +24VDC: 1.90A
 @ +28VDC: 1.95A

FCC ID Q8K2PGN10W90
 IC: 4901A-2PG10W90

OPERATING TEMPERATURE RANGE: -30°C TO +55°C		CONTRACT NO:		G-Wave, Inc.	
DIMENSIONS ARE IN INCHES; TOLERANCES ARE: ANGLES DECIMALS ± 1° X ± .05 XX ± .01 XXX ± .003		APPROVALS DATE			
TREATMENT		DRAWN Sivak 03/07		BDA-2PGN-27/33-80-AB	
FINISH 63		CHECKED		SIZE CAGE CODE DWG NO:	
MATERIAL		ENG. DESIGN ACTIVITY		A BDA-2PGN-27/33-80-AB-1 A	
				SCALE None SHEET 1 OF 1	