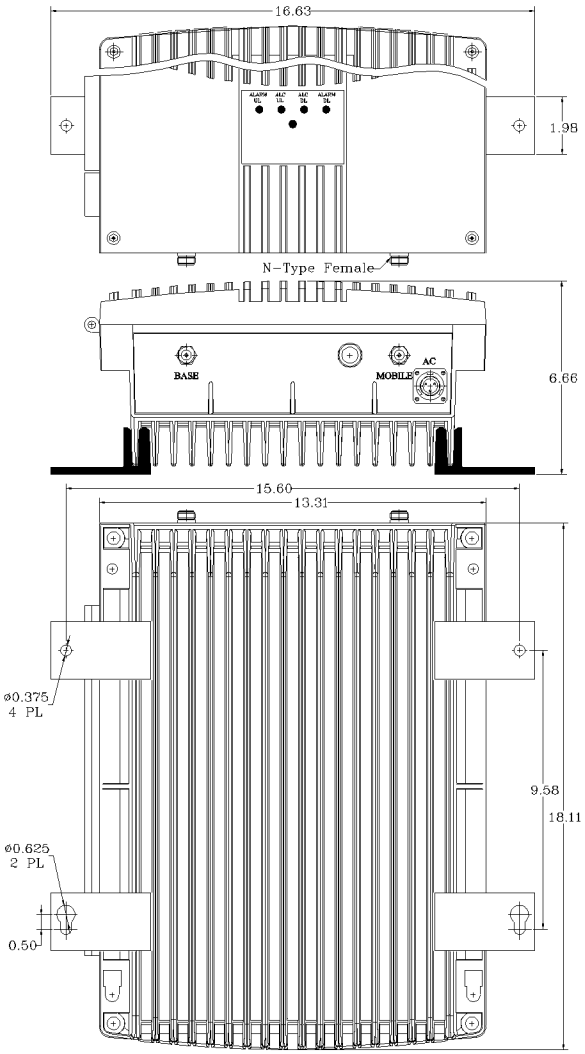
| REVISIONS | | | |
|---|---|---|---|
| REV | | DATE | APPROVED |
| A | Linearity and power upgraded (PS8-25/33) | 11/12 | G. David |
| | | | |
| | | | |




| AVAILABLE OPTIONS | Description |
|---|---|
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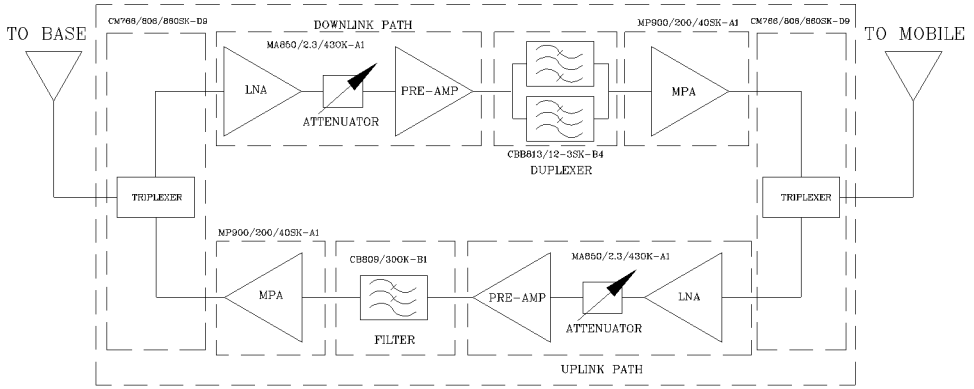


# Electrical Specifications

| | | | |
|---|---|---|---|
| *Down-Link (Base to Mobile) Frequency Range [MHz] | | : | 763 - 775 |
| | | : | 851 - 854 |
| *Up-Link (Mobile to Base) Frequency Range [MHz] | | : | 793 - 809 |
| *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 | : | +30±1 |
| *Output Composite Power [dBm] | Uplink | : | +27 (Typ.) |
| | Downlink | : | +30 (Typ.) |
| *3rd Order Output Intercept Point [dBm] @ 2 tones + 24 dBm each | Uplink | : | +48 (Typ.) |
| *3rd Order Output Intercept Point [dBm] @ 2 tones + 27 dBm each | Downlink | : | +50 (Typ.) |
| *Power Supply | | : | 110V/0.47A to 220V/.23A (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.

SKU # 11602243

NEMA 4 ENCLOSURE

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 BDA |
| | DRAWN Sivak | 06/14 | BDA-PS7/NPSPAC/N-27/30-80-C |
| TREATMENT | CHECKED | | SIZE A \| CAGE CODE \| DWG NO: BDA-PS7/NPSPAC/N-27/30-80-C-1 \| REV. A |
| FINISH 63 | ENG. | | |
| MATERIAL | DESIGN ACTIVITY | | SCALE None \| SHEET 1 OF 1 |