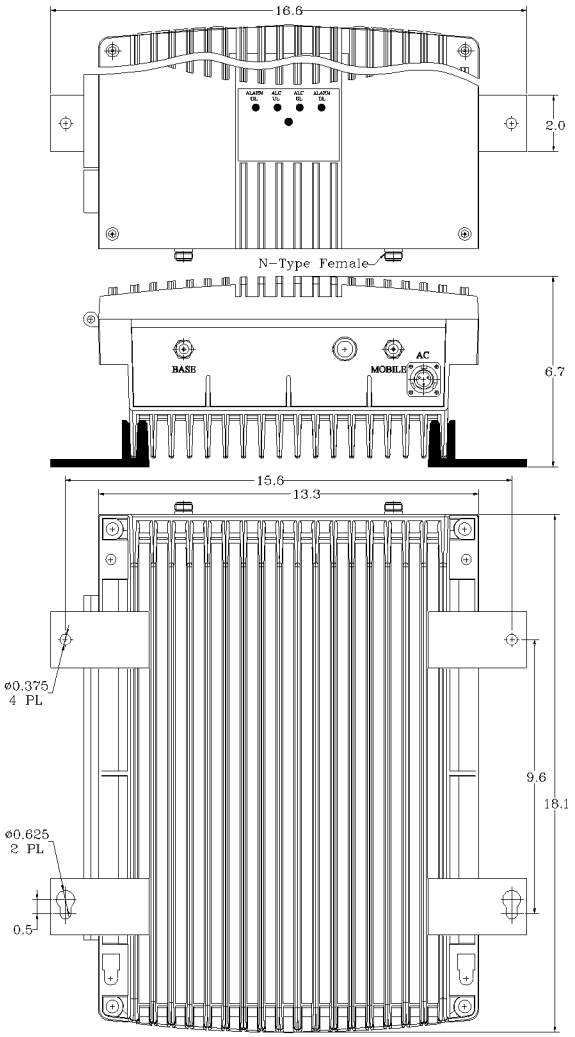


| AVAILABLE OPTIONS | Description |
|---|---|
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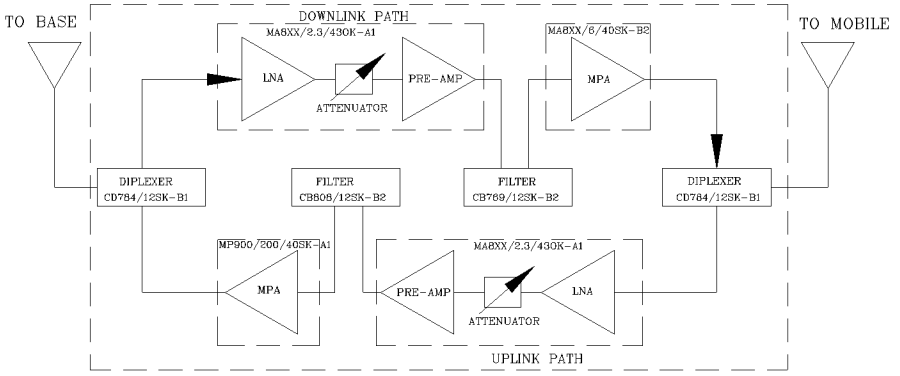
| REVISIONS | | | |
|---|---|---|---|
| REV | | DATE | APPROVED |
| A | Part Numbering System Changed. | 11/12 | G. David |
| | | | |
| | | | |




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 | : | +27±1 |
| | Downlink | : | +37±1 |
| *Output Composite Power [dBm] | Uplink | : | +27 (Typ.) |
| | Downlink | : | +37 (Typ.) |
| *3rd Order Output Intercept Point [dBm] @ 2 tones + 24 dBm each | Uplink | : | +48 (Typ.) |
| *3rd Order Output Intercept Point [dBm] @ 2 tones + 34 dBm each | Downlink | : | +58 (Typ.) |
| *Power Supply | | : | 110V/0.65A to 220V/.33A (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.*

SKU # 11602341

NEMA 4 ENCLOSURE

FCC ID Q8KPSW3790C

| | | | |
|---|---|---|---|
| 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-PS7-27/37-90-C |
| | DRAWN Sivak | 11/11 | |
| TREATMENT | CHECKED | | |
| FINISH 63 | ENG. | | SIZE A / CAGE CODE / DWG NO: BDA-PS7-27/37-90-C-1 / REV. A |
| | DESIGN ACTIVITY | | |
| MATERIAL | | | SCALE None / SHEET 1 OF 1 |