

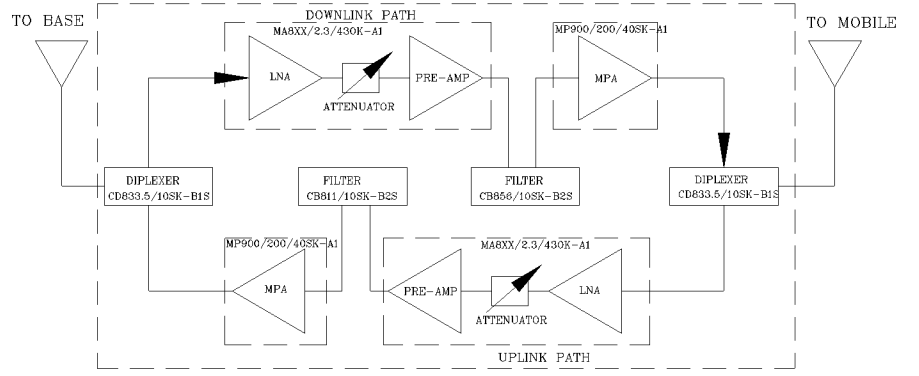
| AVAILABLE OPTIONS | Description |
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WITHOUT INCLUSION OF ACSP
OPTION, THIS UNIT MAY NOT
BE POWERED BY A GENERATOR.

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 # 11602229

| REVISIONS | | | |
|-----------|--|-------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| A | Linearity and power upgraded (PSB-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
- *Selectivity @ +1 MHz from Passband [dBc] : 30 (Min.)
- *Selectivity @ +/- 4 MHz from Passband [dBc] : 50 (Typ.)
- *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
 - Uplink : +27 (Typ.)
 - Downlink : +30 (Typ.)
 - Uplink : +48 (Typ.)
- *3rd Order Output Intercept Point [dBm]
 - @ 2 tones + 24 dBm each
 - @ 2 tones + 27 dBm each
 - Downlink : +50 (Typ.)
- *Power Supply : 110V/0.47A to 220V/.23A (Autorangeing) 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

NEMA 4 ENCLOSURE

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

| | | | | | | | | | |
|--|--|----------------------|-------|--|----------------------------|------------|-----------|---------|--------------|
| DIMENSIONS ARE IN INCHES TOLERANCES ARE | | CONTRACT NO: | | G-Wave Solutions | | | | | |
| ANGLES ± 1" | DECIMALS X ± .05 XX ± .01 XXX ± .003 | APPROVALS | DATE | | | | | TITLE | |
| TREATMENT | FINISH 63/ | DRAWN Sivak | 08/15 | 800 MHz LMR BDA BDA-PS8NEPS/N-27/30-80-C | | SIZE | CAGE CODE | DWG NO: | REV. |
| MATERIAL | | ENG. DESIGN ACTIVITY | | A | BDA-PS8NEPS/N-27/30-80-C-1 | A | | | A |
| | | | | | | SCALE None | | | SHEET 1 OF 1 |

FCC ID Q8KPS8N3790C