



# LNB QUAD-BAND EXT REF 1008XU-2



### TYPICAL SPECIFICATIONS

|                                                       |                                                             |                              |                                               |
|-------------------------------------------------------|-------------------------------------------------------------|------------------------------|-----------------------------------------------|
| <b>Noise Figure</b>                                   | 0.8 dB typ                                                  | <b>Current</b>               | 350 mA                                        |
| <b>LO Stability</b>                                   | Phase Locked to External Reference                          | <b>Input (waterproof)</b>    | WR-75 waveguide                               |
| <b>Phase Noise</b><br>(Depends on External Reference) | -70 dBc at 1 kHz<br>-80 dBc at 10 kHz<br>-95 dBc at 100 kHz | <b>Output (waterproof)</b>   | F-connector (75 ohm)<br>N (Optional) (50 ohm) |
| <b>Gain</b>                                           | 60 dB typ., 55 dB min.<br>@ full frequency band             | <b>Dimensions</b>            | 128 x 60 x 40 (L x W x H)                     |
| <b>Output P1dB</b>                                    | +5 dBm min                                                  | <b>Weight</b>                | 450 g                                         |
| <b>DC Power</b>                                       | +12V to +24V DC                                             | <b>Operating Temperature</b> | -40 ~ +60°C                                   |
|                                                       |                                                             | <b>Storage Temperature</b>   | -50 ~ +70°C                                   |
|                                                       |                                                             | <b>Ext Ref Frequency</b>     | 10 MHz (sine-wave), -5 to +5 dBm              |

### FREQUENCY BANDS AVAILABLE

| Frequency Bands     | Band 1          | Band 2           | Band 3           | Band 4            |
|---------------------|-----------------|------------------|------------------|-------------------|
| <b>RF Input</b>     | 10.7 ~ 11.7 GHz | 10.95 ~ 11.7 GHz | 11.7 ~ 12.75 GHz | 12.25 ~ 12.75 GHz |
| <b>LO Frequency</b> | 9.75 GHz        | 10.00 GHz        | 10.75 GHz        | 11.30 GHz         |
| <b>IF Frequency</b> | 950 ~ 1950 MHz  | 950 ~ 1700 MHz   | 950 ~ 2000 MHz   | 950 ~ 1450 MHz    |
| <b>DC Power</b>     | 13V             | 13V / 22KHz Tone | 18V              | 18V / 22KHz Tone  |

### HOW TO ORDER

## 1008XUF-2

|              |                              |
|--------------|------------------------------|
| CONNECTOR    | F - Standard<br>N - Optional |
| NOISE FIGURE | 0.8 dB                       |
| LNB SERIES # | Version 2                    |

### MECHANICAL DIAGRAM

