

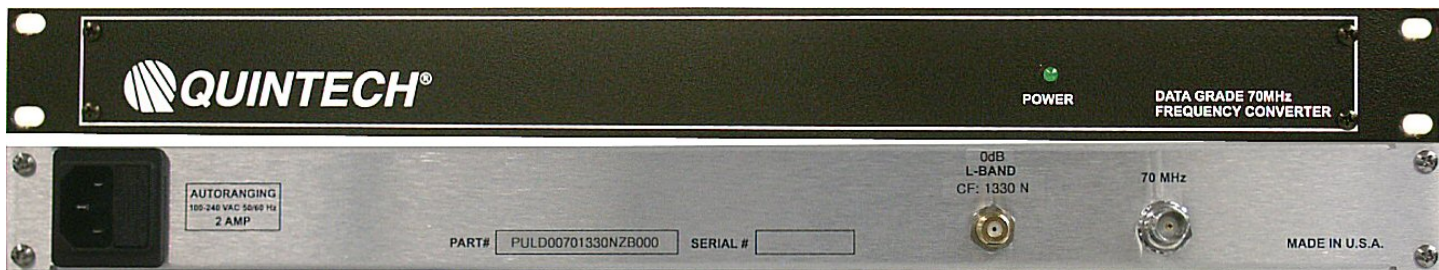
**PUL 070D**  
**PULD00701330NZB000**  
**70 MHz to 1330 MHz Data Grade Upconverter**

### General Description:

The **PULD00701330NZB000** is an ultra-stable frequency converter that translates a 70 MHz IF channel to a 1330 L-Band channel. Based on Quintech's PLL stabilized fixed channel frequency converters, the PUL features a stability performance that meets the IESS 308/309 standard, and is suitable for current high speed data transmission rates and high order modulations.

### Specifications:

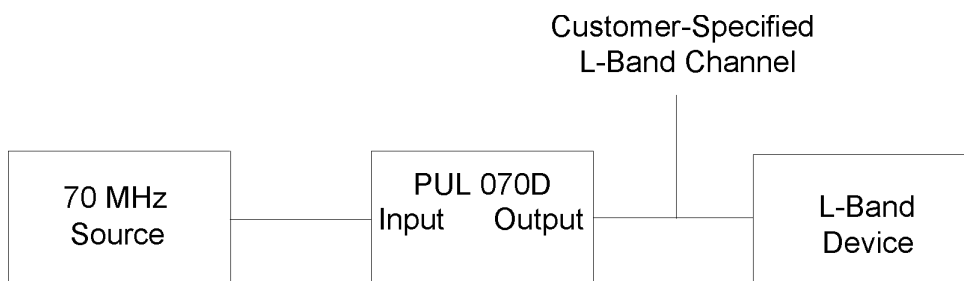
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|----------------------------------|--|
| <b>Input Frequency:</b>          | 70 MHz IF                              |
| <b>Output Bandwidth (-3 dB):</b> | 36 MHz                                 |
| <b>Input Power Level:</b>        | -50 to -20 dBm                         |
| <b>Overall Gain/Loss:</b>        | 0 dB $\pm$ 2 dB                        |
| <b>Output Frequency:</b>         | 1330 MHz, non-inverting                |
| <b>L.O. Stability:</b>           | $\pm$ 1 ppm                            |
| <b>Input Return Loss:</b>        | 13 dB                                  |
| <b>Output Return Loss:</b>       | 10 dB                                  |
| <b>Spurious:</b>                 | -50 dBc                                |
| <b>Phase Noise:</b>              | <b>Offset (Hz) (dBc/Hz)</b>            |
|                                  | 10 -60                                 |
|                                  | 100 -75                                |
|                                  | 1,000 -76                              |
|                                  | 10,000 -78                             |
|                                  | 100,000 -99                            |
|                                  | 1,000,000 -110                         |
| <b>Output Connector:</b>         | Type F, 75 $\Omega$                    |
| <b>Input Connector:</b>          | BNC, 75 $\Omega$                       |
| <b>Power Requirements:</b>       | 100-240 V~, 50/60 Hz                   |
| <b>Power Consumption:</b>        | 17 W                                   |
| <b>Operating Temperature:</b>    | +10 <sup>o</sup> to +60 <sup>o</sup> C |
| <b>Mechanical:</b>               | 1 RU (1.75" H x 19" W x 12.5" D)       |
| <b>Weight:</b>                   | 7.5 lbs. gross (boxed), 5.0 lbs. net   |



### Special Instructions:

To utilize the PULD00701330NZB000, connect a 70 MHz line to the "70 MHz" connector on the rear panel of the unit. The 1330 MHz L-Band channel will be present at the L-BAND connector, also on the rear panel. Primary power required is 100-240 V~, 2 Amp via the IEC AC connector.

NOTE: The PULD00701330NZB000 has been designed for indoor use only. Opening the unit will immediately void the warranty.



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