

connecting the future



## TWL 01 - SAT Fullband Stacking LNB

Article number: 307612

### Product description:

TRIAX TWL 01 Stacking LNB

The TWL01 LNB, a part of the TOU232-Kit, constantly receives all 4 Ku-Band polarities, and uses a frequency stacking technique to put all four SAT-IF polarities into one large broadband frequency range of 950 to 5450 MHz. This signal is transmitted via a High Quality RF-cable TUC xx to an external optical transmittier unit TOU 232 SA (called a Sidecar). The lengths of the TUC coaxial cable between the two components should not be more than 10 m.

### Specifications

| ORDER INFORMATION                         |                       |
|-------------------------------------------|-----------------------|
| EAN Number                                | 5702663076129         |
| CHARACTERISTICS                           |                       |
| LNB type                                  | Opto                  |
| Feedhorn diameter                         | 40 mm                 |
| Reception frequency range                 | 10,7 - 12,75 GHz      |
| Reception polarization                    | horizontal & vertical |
| SAT-IF range, full stacked on coax output | 0.95 - 5.450 GHz      |
| SAT-IF vertical band, stacked VL + VH     | 0.950 - 3.0 GHz       |

|                                         |                          |
|-----------------------------------------|--------------------------|
| SAT-IF horizontal band, stacked HL + HH | 3.4 - 5.45 GHz           |
| L.O. frequency, vertical                | 9.75 GHz                 |
| L.O. frequency, horizontal              | 7.3 GHz                  |
| Image frequency rejection (min.)        | 40 dB                    |
| Spurious in SAT-IF band                 | -25 dBc                  |
| <b>GAIN</b>                             |                          |
| Gain                                    | 62 - 72 dB               |
| Noise figure (typical)                  | 0.5 dB                   |
| <b>ISOLATION</b>                        |                          |
| Cross polar isolation (typ.)            | 30 dB                    |
| <b>OPERATIONAL</b>                      |                          |
| DC Current consumption                  | < 450 mA                 |
| Temperature - operating                 | -10...60 °C              |
| Temperature - storage                   | -40...70 °C              |
| <b>CONNECTORS</b>                       |                          |
| Connector IN                            | N-connector 50 Ohm       |
| Connector power supply                  | N, through SAT-IF output |
| <b>MECHANICAL</b>                       |                          |
| Packaging Height                        | 0,075 m                  |
| Packaging Width                         | 0,108 m                  |
| Packaging Depth                         | 0,177 m                  |
| Packaging Volume                        | 0,001 m <sup>3</sup>     |
| Net Weight                              | 0,434 kg                 |
| Tara Weight                             | 0,044 kg                 |
| Total Weight                            | 0,478 kg                 |