



## FIBRE TV RECEIVER 47 MHz ... 2400 MHz

## **FIBRE RECEIVER**



## FIBRE RECEIVER ACTIVE SC/APC COM PON WITH RF OUT / RF TEST OUT

Product Code: DF/RXL2-F2

This fibre receiver has been specifically designed to receive wide band frequencies from 47 MHz to 2400 MHz. The receiver is used in small, medium and large fibre distribution network end points. This unit provides long life stability and exceptional reliability.

## **FEATURES**

- · Operating wavelength at 1550 nm
- WDM pass EPON, GPON, XGPON
- Built in AGC (Automatic Gain Control)
- · Wall or Desk mount design for simple installation
- · High quality metal housing with LED indicator
- · Low power consumption
- · Compatible with FTTx PON

| In                                      | put: <b>1</b> 2   | VD                                   | C/5\   | N   | COM   | PC  | ON  |     |
|---|---|--------------------------------------|--|---|---|---|-----|-----|
| u                                       | (IDEB   | ANE                                  | ) FIB  | RE C  | PTIC  | AL RE   | CEI | VER |
| File<br>W<br>RF<br>Co<br>Op<br>AC<br>RF | oduct Coo<br>ore TV Wa<br>DM Supp<br>Bandwid<br>onnector:<br>otical Inpu<br>GC Range<br>Output: | ort: Colth: 4' SC/A at Pow 2 d 85 dE | gth: 155<br>GPON /<br>7 MHz t<br>PC<br>er: - 15<br>Bm to - | XGPON<br>to 2400<br>dBm to<br>12 dBi<br>RF Test                 | V / EPON<br>O MHz<br>to - 2 dBr<br>m<br>Output: |   |     |     |
|   |   |                                      | 2-F2181  |   |   |   |     |     |
|   |   |                                      |  |   |   |   |     |     |
|   |   |                                      |  |   |   |   |     |     |
|   |   |                                      |  |   |   |   |     |     |
|   |   |                                      |  |   |   |   |     |     |
|   |   |                                      |  |   |   |   |     |     |
| ED S                                    | TATUS R   | EFERE                                | NCETA  | BLE   |   |   |     |     |
| ED S                                    | TATUS R   | EFERE<br> Colour                     | NCE TA   |   |   |   |     |     |
|   | Meaning   | _                                    | Status D<br>ON P   | escription<br>ower ON   |   |   |     |     |
| ED                                      |   | _                                    | Status D<br>ON P<br>OFF P                                  | escription<br>ower ON<br>ower OFF                               |   |   |     |     |
|   | Meaning   | Colour<br>RED /                      | Status D ON P OFF P GREEN O                                | escription<br>ower ON<br>ower OFF<br>ptical Powe<br>ptical Powe |   | - 2 dBm<br>or > - 2 dBm out > - 2 |     |     |

| Specifications      |                             |                                  |           |  |
|---------------------|-----------------------------|----------------------------------|-----------|--|
|                     | Operation Wavelength        | 1260 to 1620                     | nm        |  |
|                     | Optical Input Power         | - 15 to - 2                      | dBm       |  |
| Optical Parameters  | Optical Return Loss         | 45                               | dB        |  |
| Uptical Paralleters | Optical Connectors          | SC/APC                           |           |  |
|                     | WDM Pass Through Wavelength | 1550                             | nm        |  |
|                     | WDM Supports                | EPON, GPON, XGPON                |           |  |
|                     | Bandwidth                   | 47 to 2400                       | MHz       |  |
|                     | Flatness (47 862 MHz)       | ± 1.5                            | dB        |  |
|                     | Flatness (950 2400 MHz)     | ± 2.2                            | dB        |  |
|                     | Output Level                | 85 (at - 2 12 dBm Input) *NOTE 1 | $dB\mu V$ |  |
|                     | AGC (Optical)               | - 2 to - 12                      | dBm       |  |
| RF Parameters       | Test Port Output Level      | - 20                             | dB        |  |
| NF Farailleters     | Impedance                   | 75                               | Ω         |  |
|                     | Return Loss                 | ≥ 10                             | dB        |  |
|                     | MER                         | ≥ 38 (64QAM at - 8 + 2 dBm)      |           |  |
|                     | BER                         | 1.0E-09 (64QAM at - 8 + 2 dBm)   |           |  |
|                     | IMD                         | - 65                             | dBc       |  |
|                     | Connectors                  | 2 x F Female                     |           |  |
|                     | Power Adaptor               | 12                               | VDC       |  |
|                     | Consumption                 | ≤ 5                              | W         |  |
|                     | Operating Temperature       | 0 to + 50                        | °C        |  |
| Other               | Storage Temperature         | - 20 to + 85                     | °C        |  |
|                     | Humidity                    | 20 to 85                         | %         |  |
|                     | Weight                      | 0.175                            | Kg's      |  |
|                     | Dimensions (H x W x D)      | 126 x 72 x 26                    | mm        |  |
|                     |                             |                                  |           |  |

<sup>\*</sup>NOTE 1: Multiple Carriers Include: 7 x 7 MHz DVB-T + 27 x 8 MHz DVB-C + 29 x 36 MHz DVB-S/S2

Head Office: Unit D2, 3-29 Birnie Avenue, Lidcombe NSW 2141 Australia

WA Branch: Unit 1, 7 Mallaig Way, Canning Vale WA 6155 Australia







