



**Wideband Optical Receiver
with 2x wideband (V+H) and 2x DTT outputs
IDLF-RX0001-W2923-OPR
Item: 6115**

The Unifiber™ Wideband optical receiver connects to an Inverto's Unifiber™ optical transmitter over a fiber passive-optical-network to receive satellite and terrestrial signals combined over a single fiber cable. A status LED helps installers to validate the power of the optical signal and guarantee the quality of the RF signals at the outputs of the receiver. The receiver features two wideband ports (vertical and horizontal) and an independent DTT port supporting all FM, DAB and DTT broadcasts. The receiver can be powered via the satellite output ports or through an external power supply via the DC in port. The compact and robust die-cast housing makes it ideal for indoor riser/shaft fiber-to-the-building installations distributing one or more satellites through in-building coax network as well as for SkyQ fiber-to-the-home installations.

Main Features:

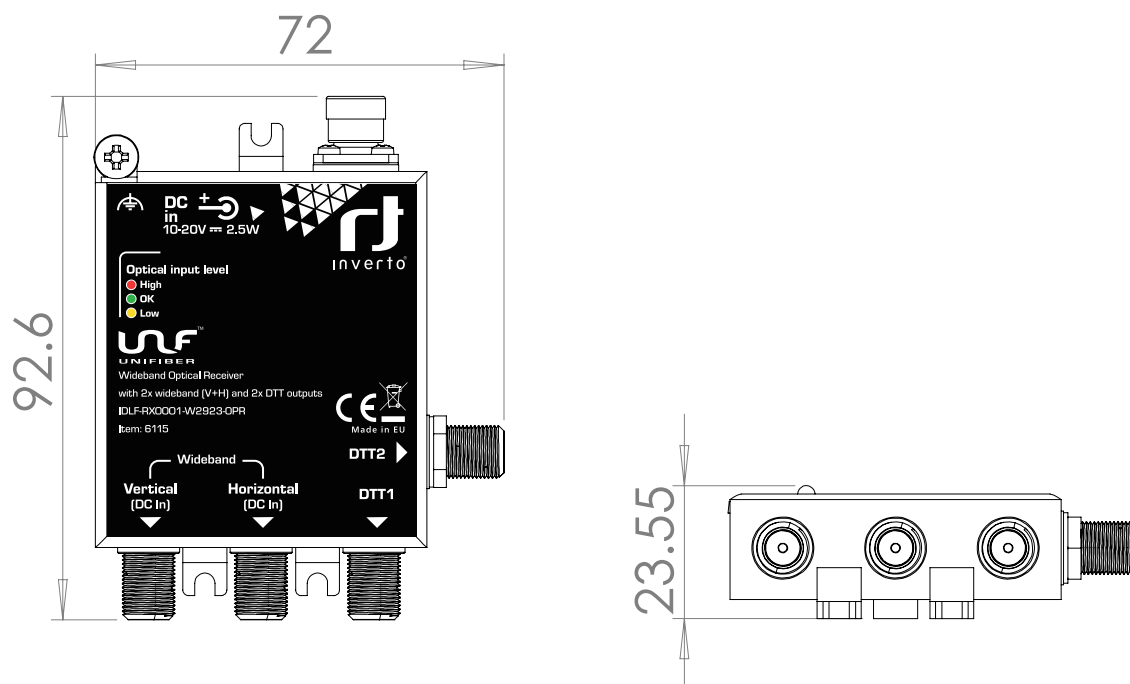
- Optical Wideband receiver with 2x independent DAB/DTT outputs
- Built-in high dynamic range optical AGC (-15~-5dBm) increasing signal quality
- Optical wavelength 1100-1650 nm, compatible with Inverto's Unifiber™ transmitters
- Wideband frequency range 290 ~ 2350 MHz
- Quick and easy install, powered from external power supply or satellite ports
- Compact, robust die-cast housing, for indoor installations (IP54)



Technical data

Optical input	
Wavelength	1100 ~ 1650 nm
Optical input level (with AGC)	-15 ~ -5 dBm
Optical port	1, FC/UPC
Satellite wideband outputs	
Output ports	2x Horizontal, Vertical; F-type
Output frequency range	290 ~ 2350 MHz
Output power level	-33 dBm (75dBuV)
Output power supply	10 - 20 VDC
Return loss	10 dB min.
Impedance	75 Ω
DTT outputs	
Output ports	2x, F-type
Frequency range	FM/DAB/VHF 88 ~ 240 MHz UHF 470 ~ 790 MHz
Output level	DTT1 port: -33 dBm (75dBuV) DTT2 port: -28 dBm (80dBuV)
Output level variation	4 dB max.
Return loss	8 dB min.
Impedance	75 Ω
Power supply	10 - 20 V DC, 3.5/1.3 mm DC jack
Power consumption	2.5 W max.
Earthing terminal	Yes
Optical input level LED	Green = OK, RED = High optical input power, Yellow=Low optical input power
Operating temperature	-20°C ~ +50°C
Dimensions	93 x 72 x 23 mm 180 g
Weight	
Logistics	
Packaging dimensions (h x w x d)	3.3 x 12 x 9.4 cm
Packaging weight	0.2 kg
Quantity per carton	20 pcs
Carton dimensions (h x w x d)	18.5 x 25.2 x 19.9 cm
Carton weight	4 kg
Quantity per pallet	2160 pcs





For purpose of brevity, some product descriptions in this sheet remain at platform level and may not be referred to as detailed datasheets of the products. Inverto Digital Labs reserves the right to amend, omit or add products, product-lines, and / or features without notice.

For further details contact: sales@inverto.tv
 FTA Communication Technologies S.à r.l. Tel. +352 264 367 1 Fax. +352 264 313 68