

**DTT processing unit 470-694 MHz
IDLF-PRS002-DTT00-OPR
Item: 6119**

The Unifiber™ DTT Processing unit receives DAB/FM VHF and UHF DTT signals over two separate antenna ports and outputs a combined signal for optical distribution through a Unifiber™ Transmitter unit. The Unifiber™ DTT Processing unit is powered by the transmitter over the DTT output port. The unit features an adjustable attenuator allowing to control the level of the VHF signal. It also features a built-in UHF AGC for improved DTT signal quality and simpler installation process, freeing the installer from the need to manually optimize the DTT signal levels. This Unifiber™ DTT Processing unit model is enhanced with a built-in filter to improve immunity against interfering signals from LTE/5G networks, A compact size robust die-cast housing and a weather-proof enclosure allow for either indoor or outdoor installations.

Main Features:

- Supporting FM/DAB/VHF and UHF bands
- Built-in UHF AGC for optimized performance and easy installation
- Built-in filter improving immunity against LTE/5G interferences
- Adjustable gain for VHF broadcasts
- Powered by Unifiber transmitter over the DTT output port
- Outdoor and indoor installations



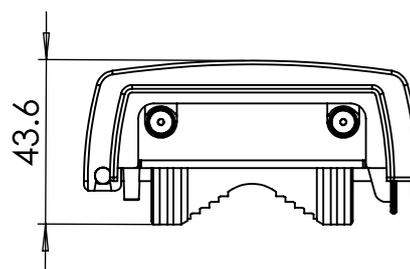
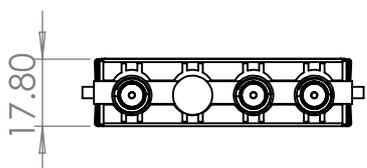
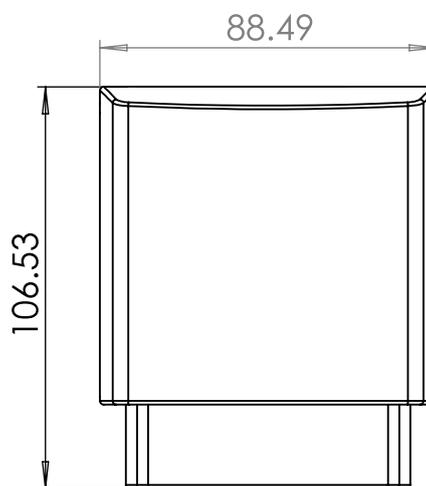
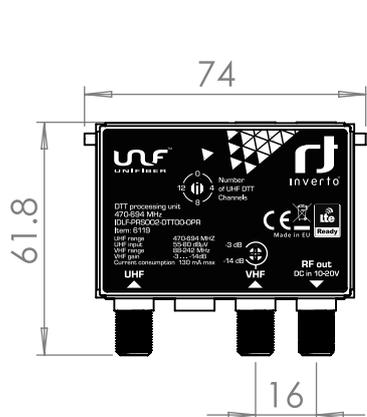
Technical data

DTT inputs	1x VHF + 1x UHF, F-Type (female)
Frequency range	VHF/DAB/FM: 87.5 - 240 MHz UHF: 470 - 694 MHz
Input level	VHF: 86 ~ 97 dBuV (-22 ~ -11 dBm) UHF (AGC): 55 ~ 80 dBuV (-53 ~ -28 dBm)
Gain	VHF: -14 ~ -3 dB adjustable, passive UHF: AGC dynamic range 25dB
DTT output	1x DAB/FM/VHF+UHF combined, F-Type (female), RF out + DC in
Output level	UHF: 93 dBuV (-15dBm), AGC controlled
Return Loss	10 dB min.
Impedance	75 Ω
Power supply	Powered by Unifiber transmitter over the RF out port
Input voltage level and power consumption	10 ~ 20 VDC, 1.4W max.
Earthing terminal	Yes
Operating temperature	-20°C ~ +50°C
Environment and installtion	Outdoor, IP54 weather-proof plastic enclosure
Dimenssions	107 x 89 x 43 mm
Weight	160 g

Logistical info

Packaging dimensions (h x w x d)	11.1 x 9.2 x 4.8 cm
Packaging weight	0.18 kg
Quantity per carton	20 pcs
Carton dimensions (h x w x d)	38.3 x 25.2 x 13.2 cm
Carton weight	4 kg
Quantity per pallet	2160 pcs





Metal housing

Plastic case

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.

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