UNF™
UNIFIBER

DTT processing unit 470-790 MHz
IDLF-PRS001-DTT00-OPR
Item: 6118

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. 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
- Adjustable gain for VHF broadcasts
- Powered by Unifiber transmitter over the DTT output port
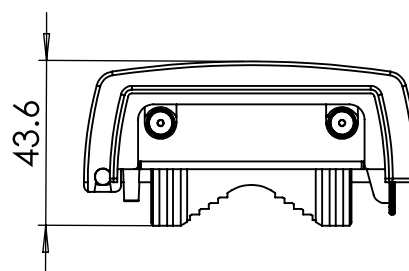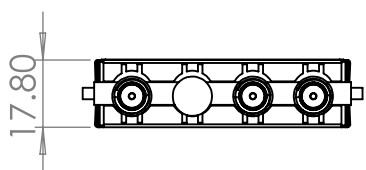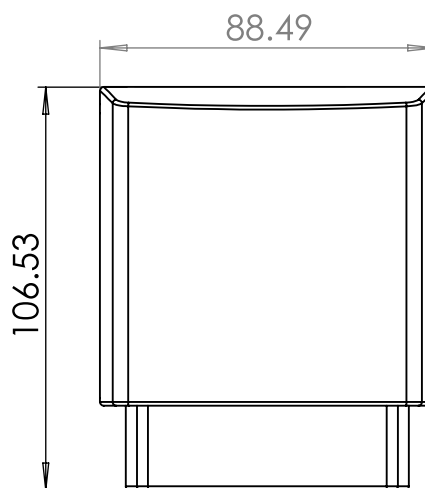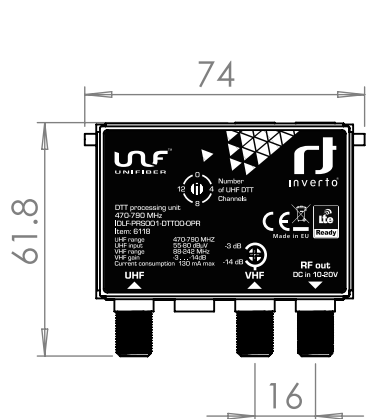- Outdoor and indoor installations

Technical data

DTT inputs	1x VHF + 1x UHF, F-Type (female)
Frequency range	VHF/DAB/FM: 87.5 - 240 MHz
	UHF: 470 - 790 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

74

61.8

16

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Number
of UHF DTT
Channels

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DTT processing unit
470-790 MHz
IDLF-PR9001-DTTOO-OPR
Item: 6118

UHF range   470-790 MHz
UHF input   59-80 dBuV   -3 dB
VHF range   88-848 MHz
VHF gain   -3 ... -14dB   -14 dB
Current consumption 130 mA max

CE

Made in EU

lte
Ready

UHF   **VHF**   **RF out**
DC in 10-20V

88.49

106.53

17.80

43.6

Metal housing

Plastic case

V211021