

WISI OL 16 1310

Optical Transmitter Kit



Description

Kit for the conversion of one satellite, DVB-T/T2, DAB and FM into an optical output signal. The OL16 1310 kit contains of the wideband LNB OC 07E and the electrical/optical converter OL 17 1310.

Designed for outdoor use, the installation can be done directly at the mast pipe (mounting bracket included started from Q2/2022). The optical transmission is done at 1310nm with an optical level of +8 dBm, which enables the distribution of up to 64 termination points. The whole KIT gets powered via the included 20V power supply (EU and UK adapter).

At a glance:

- Kit includes Wideband LNB and electrical/optical converter
- Transmission of Satellite, terrestrial and radio signals via one optical fibre
- Insertion of DVB-T/T2, DAB and FM at the terrestrial input
- Optical wavelength 1310 nm
- + 8 dBm optical output power
- Wall or pole mount

Technical data**Electrical/Optical Converter****Input**

Frequency range-SAT	290...2340 MHz
Impedance	75 Ω
Return loss	20 dB (optical)
Frequency range DVB-T	470...694 MHz
Frequency range DAB	174...240 MHz
Frequency range FM	88...108 MHz
Level range	70...85 dBμV (Satellite); 70 dBμV (Terrestrial)
Ripple	1 dB
Gain variation full band	
Connector DVB-T, DAB, FM	
Connector SAT	

Output

Wavelength	1310 nm (±20 nm)
Optical power	8 dBm
Connector	FC/PC

General data

Input voltage	20 V DC (F-Connector)
Current consumption	
Maximum upstream current	500 mA
Output Voltage Vertical	12 V
Output voltage Horizontal	18 V
Operating temperature	-20...+60 °C
Weight	
Dimensions W x H x D	160 x 25 x 162 mm

Wideband LNB OC07**Electrical data**

Input frequency	10.70...12.75 GHz
Local Oscillator Frequency	10.41 GHz
Output frequency	290...2340 MHz
Gain	50...62 dB
Noise figure	typ. 0.5 dB
Gain variation full band	7 dB (p-p)
Polarization isolation	typ. -30 dB
Image rejection	40 dB
In band spurious level	-60 dBm
L.O. phase noise @ 10 kHz	-75 dBc/Hz
L.O. temperature drift @ 25°C	±0,8 MHz
Output impedance	75 Ω

Mechanical Data

Color	Dark Grey, Pantone 432C
Feed diameter	40 mm
With protective enclosure	Yes

Connectors

RF-Output	
-----------	--

General data

Type	Wideband
Subscriber	Depending on the multiswitch
Integrated multi switch	No

Technical data

Terrestrial feed	No
Input voltage	8...21 V DC
Current consumption	max. 125 mA
Operating Temperature	-30...+60 °C
Weight	0,445 kg
Dimensions (B)	60 mm
Dimensions (H)	60 mm
Dimensions (T)	100.2 mm

Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	270 x 190 x 60 mm
Packaging volume sales unit	3,08 dm ³
Gross weight sales unit	0,6 kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	270 x 190 x 60 mm
Packaging volume shipping package	3,08 dm ³
Gross weight shipping unit	0,6 kg
EAN	4010056764791
Article number	76479
Customs tariff number	85177000