

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. 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	470694 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	FM 88...108 MHz <1 dB; -DAB 174...240 MHz <1 dB; Terr. (DVB-T) 479...694 MHz <3...5 dB; SAT <=3 dB; Rejection @4G800 frequencies 791...862 MHz (relative)>30 dB
Connector DVB-T, DAB, FM	1x F-female
Connector SAT	2x F-female
Output	
Wavelength	1310 nm (±20 nm)
Optical power	+ 8 dBm
Connector	FC/PC
General data	
Input voltage	20 V DC
Current consumption	max. 350 mA (without connected devices)
Maximum upstream current	500 mA
Output Voltage Vertical	12 V
Output voltage Horizontal	18 V
Operating temperature	-20...+60 °C
Weight	0.445 kg
Dimensions W x H x D	160 x 25 x 162 mm
Wideband LNB OCO7	
Electrical data	
Input frequency	10.70...12.75 GHz
Local Oscillator Frequency	10.41 GHz
Output frequency	2902340 MHz
Gain	5062 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	2x F-female
General data	
Type	Wideband
Subscriber	Depending on the multiswitch
Integrated multi switch	No
Terrestrial feed	No
Input voltage	821 V DC

Technical data

Current consumption	max. 125 mA
Operating Temperature	-30...+60 °C
Weight	0.445 kg
Dimensions (B)	60 mm
Dimensions (H)	60 mm
Dimensions (T)	1002 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