

OPTICAL COMPACT HEADEND

Basic unit with 2 pluggable modules



Pluggable modules

Modul 1

Type	Transmitter Tx module
Description	Optical transmitter, 5 ... 2400MHz

Modul 2

Type	Receiver Rx module
Description	Optical receiver, 5 ... 2400 MHz

Optical Compact Headend

- Compact Optical Headend with 2 pluggable modules
- Bandwidth 5 ... 2400 MHz
- Ready for analogue PAL TV channels, SAT QPSK distribution and QAM channels
- RF Input level attenuator 0-15 dB (Indication and Setting on LED display, 1 dB steps)
- Monitoring optical output: Green LED (output power available)
- Fibre connectors: SC / APC
- RF connectors F female
- LNB Power supply 12.8 V / max. 500 mA
- Compact die-cast housing 225 x 190 x 86 mm
- Operating voltage VDC 185 - 265
- Weight 2 kg

Possible combinations

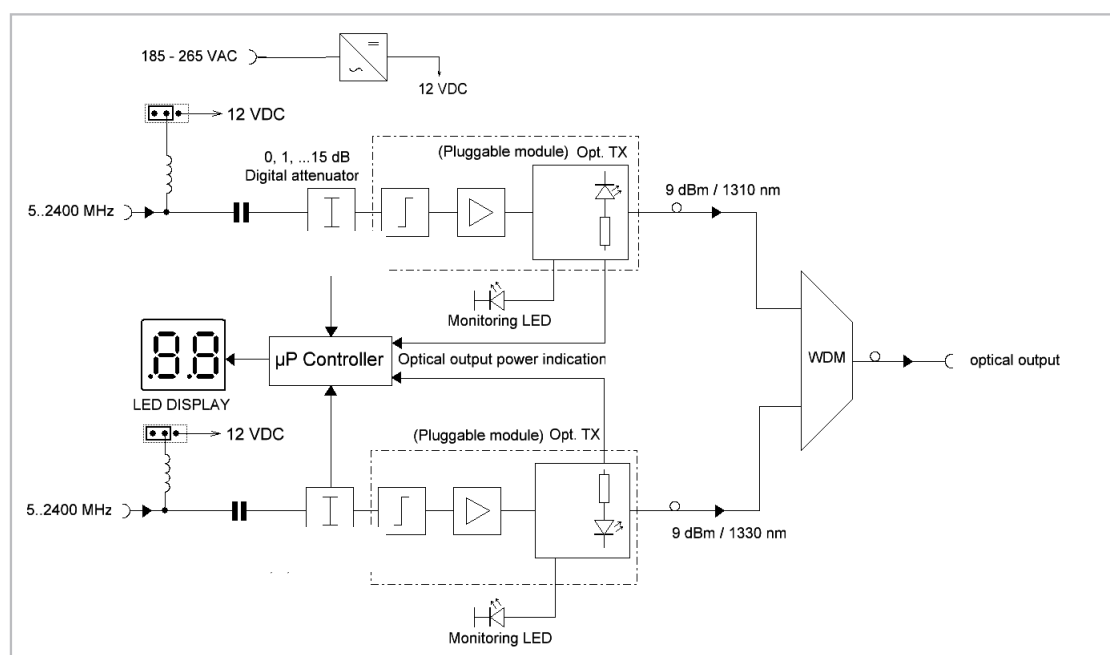
OCH 25-xx-xx-x

Type	Item No.	Frequency range	Transmitter Tx module		Receiver Rx module
			wavelength 1310 nm	wavelength 1330 nm	wavelength 1260..1620 nm
OCH 25-31-33-0	57003502	5...2400 MHz	■	■	
OCH 25-31-31-0	57003785	5...2400 MHz	■ ■		
OCH 25-31-00-1	57003503	5...2400 MHz	■		■
OCH 25-31-00-0	57003783	5...2400 MHz	■		
OCH 25-00-00-2	57003501	5...2400 MHz			■ ■
OCH 25-00-00-1	57003784	5...2400 MHz			■

OPTICAL BK / SAT-IF TRANSMITTER

Module 1

- Optical compact transmitter for RF and IF over fibre
- High linearity, DFB Laser with internal optical isolator
- Low distortion wavelengths: 1310, 1330 nm
- 9 dBm optical output power

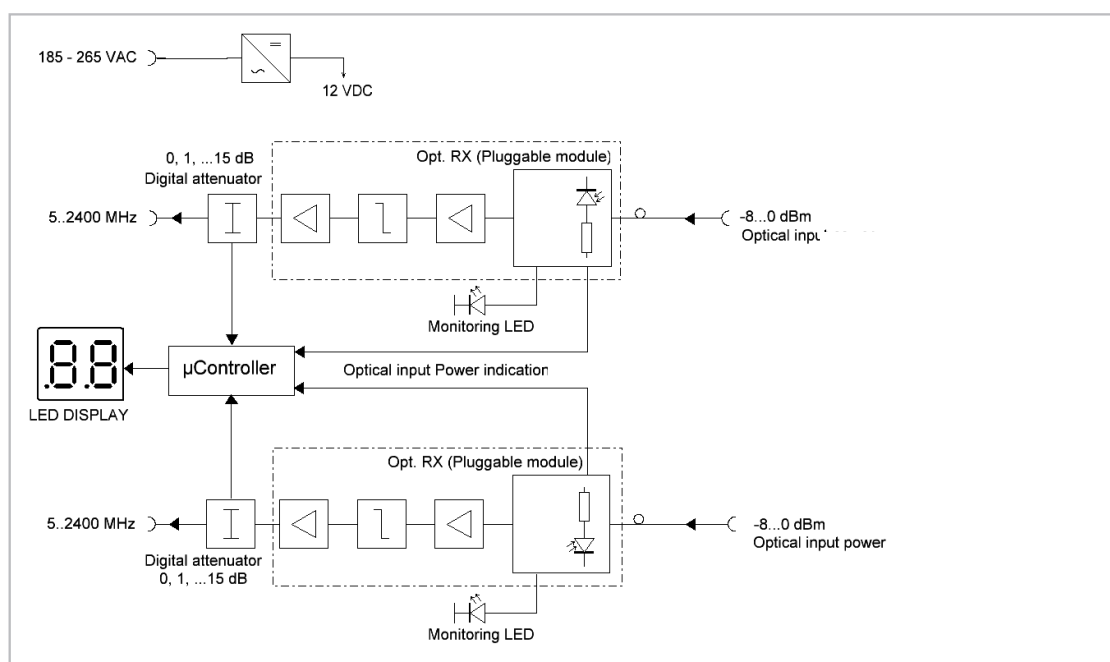


Type		Tx Module
Applications		CATV and SAT over fibre
Operation wavelength (λ)	nm	1310, 1330
Optical output power	dBm	+9 (Indication on LED display)
Laser class		1M, DIN EN 60825-1 (2008)
RF bandwidth	MHz	5 ... 2400
Frequency flatness	dB	± 1.5 (5 – 2400 MHz)
RF input level PAL	dBμV	70...85, ATT = 0...15 dB @ OMI 4%
Maximum input level	dBμV	90
Laser type		un-cooled DFB
RF return loss	dB	> 14, up to 2200 MHz
Optical return loss	dB	> 55
Optical Link SAT-IF		
Optical budget in combination with OR 25	dB	22
Power consumption	W	7 @ 230 VAC
Operating temperature	°C	-20...+55

OPTICAL BK / SAT-IF RECEIVER

Module 2

- Optical compact receiver for RF and IF over fibre
- Electronic control of RF output level attenuation for each module on the LED display
- Monitoring LEDs



Type	Rx Module	
Applications	CATV and SAT over fibre	
Operation wavelength (λ)	nm	1260 ... 1620
Optical input power	dBm	-10 ... 0 (+2 dBm, absolute Max.)
RF bandwidth	MHz	5 ... 2400
Frequency flatness	dB	± 0.5 (5 – 2400 MHz)
RF output level	dB μ V	70 ... 85, OMI 12%
RF return loss	dB	> 14, up to 2200 MHz
Optical return loss	dB	> 55
Optical input power (digital)	dBm	-8.5 ... 0 (Indication on LED display)
Operating temperature	$^{\circ}$ C	-20...+55