

PRODUCT INFORMATION



Optical Transceiver "Mininode" LR 20

- Modular design
- Cost effective optical receiver for optical overlay and deep fiber architecture
- Plug in return path transmitter LT 20
- Monitoring interface for HMS transponder CT...
- Integrated splice box
- All settings via handset



... a link to the future



Optical Transceiver "Mininode" LR 20

Technical data

Downstream

Wavelength	1290nm - 1600nm
Optical return loss	> 40 dB
Input return loss	single mode 9 / 125 μ m
Output impedance	75 Ω
Transmission bandwidth	47 - 862 MHz
Controlled output level (OMI=4%)	95 dB μ V@862 MHz 4 dB slope or 80 dB μ V flat
Output level for min. (42 channels, CENELEC, 4 dB slope)	95 dB μ V
CTB	$\geq$ 68 dB
CSO	$\geq$ 65 dB
Sensitivity	$\leq$ 8 pA / $\sqrt{\text{Hz}}$
Output return loss	$\geq$ 18 dB (-1,5 dB / oct.)
RF test point at output	- 20 dB

Upstream

Wavelength	1290nm - 1330nm
Optical return loss	> 40 dB
Output level	3 dBm
Transmission bandwidth	15 - 65 MHz
Input level	75 dB μ V
Setting range OMI	3 - 8%
Electrical return loss	> 18dB
Flatness (E-O)	$\leq \pm 0,5$ dB
Broadband RF input (via jumper) 15-300 MHz	95 dB μ V (OMI=5%)

Options

Return path modul with	SWDM Laser (4 colors)
NMS functions	a. temperature b. optical input level c. RF output d. OMI e. Alarms
Remote feeded version LR 21	27-65 VAC 50 / 60 Hz

General

Supply voltage	230 VAC $\pm$ 10 % 50/60 Hz
Protection class	II
Temperature range (operation)	-20°...+50°
Dimension W x H x D	244 x 134 x 84 mm



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Technische Änderungen vorbehalten.
Technical modifications reserved.
Modifications techniques réservées.

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