

DCT DELTA ONC(R) 12xx

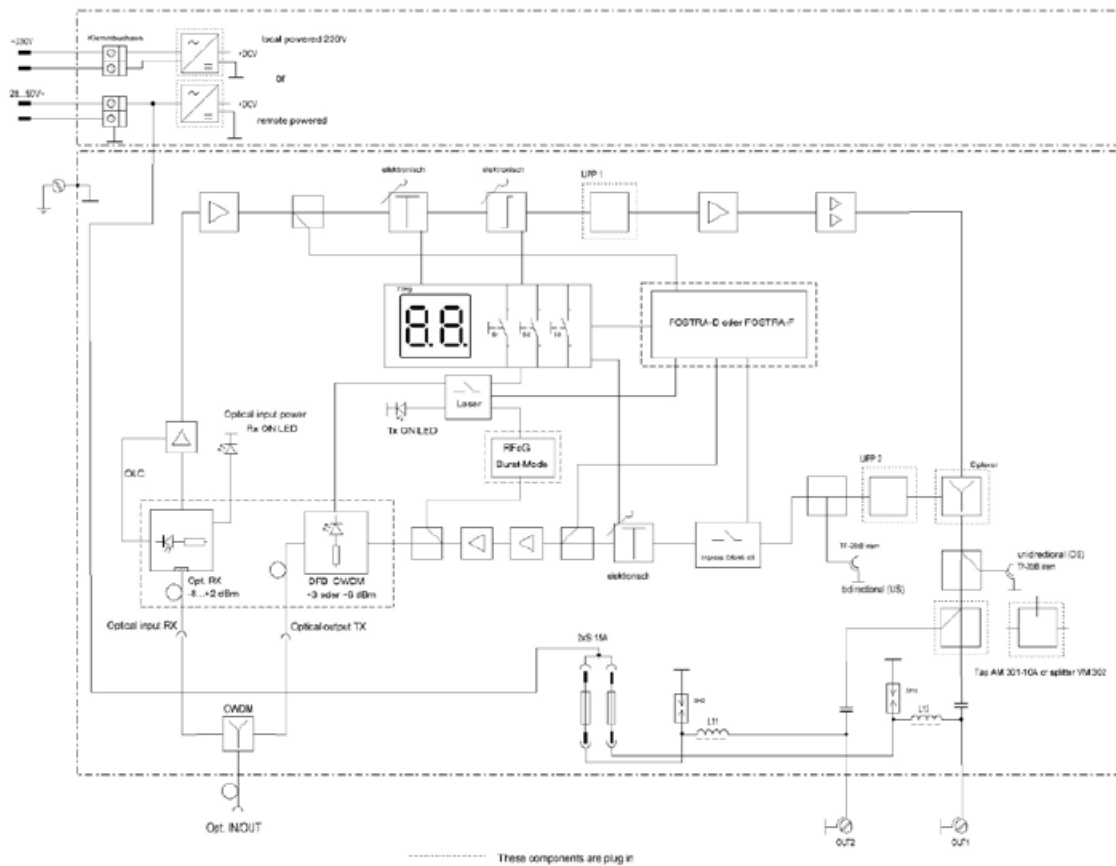
MEDIUM FIBRE NODE FOR HFC / FTTX

- Compact node with modular return way laser 1x1
- High RF output level and dynamic range, 2 outputs
- Low noise impedance receiver
- Low noise DFB- laser in burst or CW mode operation
- Optical level control (OLC) based on optical input power
- 7-Segment display for various monitoring options and easy control
- Optional remote power
- Internal fibre splice management
- Return way transmitter available in CWDM-grid (1270 - 1610nm)



ONC 1200	ONCR 1200	ONCR 12XX	ONCR 12XX BFD
optical receiver 85...1218 MHz 114 dBμV RF-output level	optical receiver 85...1218 MHz 114 dBμV RF-output level	DS: selectable US: CWDM 85...1218 MHz 114 dBμV RF-output level	DS: selectable US: CWDM 85...1218 MHz 114 dBμV RF-output level controllable

TYPE		ONC(R) 1200, ONCR 12XX F, ONCR 12XX BFD	
Applications		HFC, FTTC/FTTB	
Compact die cast housing	mm	225 x 195 x 95 / IP 65, outdoor	
Fibre connectors (internal)		SC/APC (internal fibre splice management)	
Connectors		PG 11-RF output, PG 13.5 (opt. fibre feed through)	
Mains feeding	V~/W	185...265 / 20	
Remote feeding	V~	28...65 / 0,67 A @ 30 VAC, 10 A	
Operating temperature	°C	-20...+55	
OLC	dBm	-7...+1 (RF output ±1dB, AGC)	
Adjustment elements	dB	0...15 (electronically adjustable in 1dB steps, seven segment display+micro)	
Return laser module		various available (3,6dBm DFB)	
RF outputs		1 od. 2 (with 2-way splitter or tab module 10 od. 20 dB)	
DOWNSTREAM	Optical wavelength	nm	1260...1620
	Optical input power	dBm	-8...+2
	Optical return loss	dB	≥ 20 -1,75/Okt. (65-1218 MHz) ≥ 20 -2/Okt. (85-1218 MHz) ≥ 20 -3/Okt. (204-1218 MHz) min 12 @ 1218 MHz
	Frequency range	MHz	85...1218 MHz
	Frequency response	dB	± 0,7 max. ±1
	RF output power	dBμV	115 CENELEC, flat, CTB/CSO >60dB
	C/N	dBc	50 @ -3 dBm, OMI 4%
	RF slope	dB	0...15 dB (electronically adjustable in 1dB steps)
	RF level adjustment	dB	0...15 dB (electronically adjustable in 1dB steps)
	RF test point	dB	20 (internal)
	Monitoring optical input	dBm	greenLED on: input > -10
	Optical input power		Seven segment display, power meter function
UPSTREAM	Laser wavelength	nm	1270-1610
	Optical Power	dBm	3;6
	Optical return loss	dB	60
	Frequency range	MHz	5...65/85/204 (Diplexer RLK 65 / 85 / 204)
	RF input level (CWDM)	dBμV	65, OMI 7% @ 0 dB attn
	RF input level attenuator	dB	0...15 (electronically adjustable in 1 dB steps)
	RF test point	dB	-20 (internal)
	Monitoring optical output		Green LED on: output power available



ORDERING INFORMATION

ONC R 12 xx BFD - xx - x - xx

POWERING (V~)	FREQUENCY RANGE (MHZ)	US-WAVELENGTH	LASER OPERATION, MONITORING	DS-WAVELENGTH	NUMBER OF FIBRES	DIPLEXER (MHZ)
-: local powering 230 V~ R: remote powering 28-65 V~	11: up to 1006 MHz 12: up to 1218 MHz	27: 1270 nm 29: 1290 nm 31: 1310 nm 33: 1330 nm 35: 1350 nm 37: 1370 nm 39: 1390 nm 41: 1410 nm 43: 1430 nm 45: 1450 nm 47: 1470 nm 49: 1490 nm 51: 1510 nm 53: 1530 nm 55: 1550 nm 57: 1570 nm 59: 1590 nm 61: 1610 nm	B: burst mode and continuous mode F: FSK-Monitoring D: Docsis	15: 1550 nm 10: 1260-1620 nm	1: one fiber for US and DS 2: one fiber for US and one fiber for DS GPON: one fiber for RFoG and GPON bypass filter	-: RLK 565 (5-65/85) 85: RLK 585 (5-85/105) 204: RLK 5204 (5-204/ 258)