

# Optical receivers

Optical broadband receivers 45 – 1.006 MHz with high power output for CATV applications



10420060  
ORC-01

- Optical status indication by LEDs
- Integrated test point for the RF output
- Very high and constant RF output level within the whole optical input power range by an integrated automatic gain control (AGC)
- Connector types: SC (optical) and F-females
- Dimensions: approx. 190 x 110 x 52 mm (W x H x D)
- Weight: approx. 0,4 kg

Parameter	ORC-01	ORC-01-1550	ORC-01-PON
Max. optical input power [dBm]	-9 – +2	-9 – +2	-9 – +2
Responsivity [A/W]	0,85	0,85	0,85
Optical return loss [dB]	45	45	45
Optical connectors input	SC/APC	SC/APC	SC/APC
Operation bandwidth [MHz]	45 – 1.006	45 – 1.006	45 – 1.006
Output level [dBμV]	110 (-9 – +2 dBm i) 112 (-8 – +2 dBm i)	110 (-9 – +2 dBm i) 112 (-8 – +2 dBm i)	110 (-9 – +2 dBm i) 112 (-8 – +2 dBm i)
Flatness [dB]	-0,75 – +0,75	-0,75 – +0,75	-0,75 – +0,75
Return loss [dB]	14	14	14
Test point [dB typ.]	-20	-20	-20
Composite Second Order (CSO) [dB]	60*	60*	60*
Composite Triple Beat (CTB) [dB]	60*	60*	60*
Carry-to-Noise (C/N) [dB]	51*	51*	51*
Supply voltage [VAC]	150 ... 265	150 ... 265	150 ... 265
Operating temperature range [°C]	-20 – +55	-20 – +55	-20 – +55
Storage temperature range [°C]	-40 – +60	-40 – +60	-40 – +60
Power consumption [W]	8	8	8
Operating wavelength [nm]	1100 – 1600	1545 – 1563	1539 – 1565
PON pass through (SC/PC) [nm]	–	–	1260 – 1360 1480 – 1500
Order No.	10420060	10420062	10420064

\* At P IN = -1 dBm, P OUT = 106 dBμV, 42 CH CENELEC, OMI = 3,5 %

