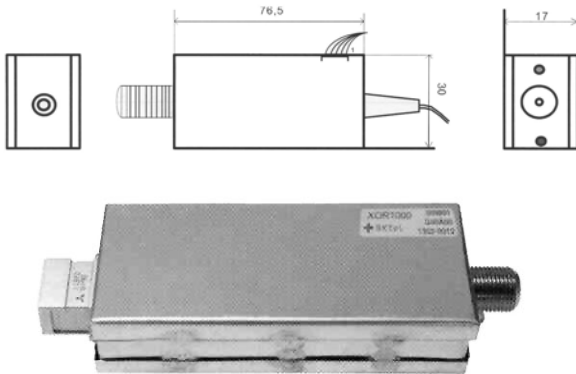


FTTH Optical System

optical compact receiver

Optical Compact Receiver FTTH



Application

- Receiver for optical CATV transmission
- system using standard single mode fibres
- (CCITT rec. G652)

Features

- PIN photodiode as optical/electrical converter
- very low noise
- enhanced performance
- high reliability design
- optical input power monitoring
- status LED's for input power & output disable
- remote switch off (option)

Model Number		OCR 1000 OCR 1000S	OCR 1016S
Typical performance data			
Optical Input Power, min/max	[dBm]	-10 ... -2	-10 ... -3
Optical Wavelength	[nm]	1280 ... 1580	1280 ... 1580
Optical Connector		Pigtail SC/APC	Pigtail SC/APC
Optical Return Loss	[dB]	45	45
Receiver Noise current	[pA/√Hz]	<3,5	<4
Detector responsiveness	[A/W]	0,9	0,9
RF bandwidth	[MHz]	47 ... 862	47 ... 862
Flatness	[dB]	<±1	<±1
RF Output level/channel (OMI=4%, @ max. input)	[dBμV]	78	94
CSO (CENELEC 42)	[dBc]	60	60
CTB (CENELEC 42)	[dBc]	63	58
RF connector		F	F
RF Output impedance	[ohm]	75	75
RF Return loss	[dB]	≥12	≥12
RF output disable (S-type only)	[dB]	≤-40	≤-40
Supply Voltage	[VDC]	6	6
Power Consumption	[W]	0,69	1,3
Operating Temperature-range	[°C]	-10 ... +60	-10 ... +60
Size	[mm]	76,5 x 30 x 17	76,5 x 30 x 17

ORDERING INFORMATION

Optical Receiver	Connectors	Ordering Number
Version Funea Broadband Services bv		
Low gain receiver	SC/APC	OCR 1000
Low gain receiver with output disable	SC/APC	OCR 1000S
High gain receiver with output disable	SC/APC	OCR 1016S