

# OFR-UOR-002 Unidirectional Optical Receiver

**MODEL: OFR-UOR-002**



### Specifications:

- Electric integration RF module, Low noise, low distortion, low optical power
- Using high quality NXP or NEC module, make sure good C/N,C/CSO,C/CTB data for the network..
- Multistage optical signal indication
- Using plug-in devices with guiding groove, could achieve blind mating. Asymmetrical stitch of the equalizer had been designed to avoid incorrect using. Gilded copper stitches and pins are suitable for contacting and debugging.
- The standard optional output interface: 2/3/4outputs,2 high power output etc.
- Built-in two aluminum panels to prevent electromagnetic radiation
- Multistage lightning protection devices ensure long-time stable and continuous working in an adverse environment.
- New attractive aluminum alloy case with waterproof, moisture proof and anti-Oxidation design is favorable to installation and heat elimination.
- Intelligent: RG-45 Ethernet interface is optional, for implementing a monitor system under <GB/T 20030–2005 Specification of Equipment Management System of HFC Network>.

### Technical parameter:

Items	Units	Technical Parameter
Optical Power	dBm	-7 ~+2
Optical Return Loss	dB	>45
Optical Receive Wavelength	nm	1100~1600
Optical Fiber Connector		FC/APC, SC/APC (optional)
Operating Fiber Type		single model
Carrier To Noise Ratio	dB	≥51
C/CTB	dB	≥65
C/CSO	dB	≥60
Frequency Band	MHz	45/87~750/862
Flatness In Band	dB	±0.75
Nominal Output Level	dBuV	≥100
Max Output Level	dBuV	≥108
Automatic Gain Control		Output Level keeping unchanged when the input optical signal is from -7 to +2. (Optional)
Ethernet Over Coax		Built-in EOC Signal Commingler
Gain Adjust Range	dB	1~20dB Fixed attenuations (1dB step) or adjustable continuously



Slope Adjust Range	dB	1~15dB Fixed Attenuations (1dB step) or adjustable continuously
Output RF Reflection Loss	dB	$\geq 16$ (45~550MHz) $\geq 14$ (550~750/862MHz)
Output Impedance	$\Omega$	75
Working Temperature	$^{\circ}\text{C}$	-40 ~+60
Storage Temperature	$^{\circ}\text{C}$	-55 ~ +75
Power Voltage	V	
Annotate: Measures C/CTB, C/CSO and C/N according to the practice.		

**Due to continuous improvement, all products specifications are subject to change without further notice. Contact us for custom requirements. E-mail: [Sales@zhtelecomm.com](mailto:Sales@zhtelecomm.com) Website: [www.zhtelecomm.com](http://www.zhtelecomm.com)  
Tel: +86-01081593787 Fax: +86-01081593789**