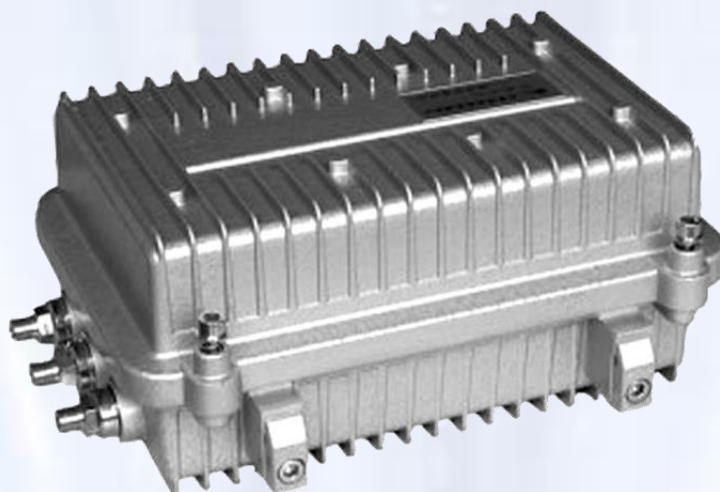


OFR-BOR-003 Bidirectional Optical Receivers

MODEL: OFR-BOR-003



Products Description

- Photoelectric 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: 2/4 outputs, 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		
		Downstream Receiving	Upstream Receiving
Optical Power		-7~+2dBm	1~3mw
Optical Return Loss	dB	>45	
Optical Wavelength	nm	1100~1600	1310±10
Optical Fiber Connector		FC/APC, SC/APC (optional)	
Operating Fiber Type		single model	
Carrier To Noise Rati	dB	≥51	
C/CTB	dB	≥65	
C/CSO	dB	≥60	
Frequency Band	MHz	45/87~750/862	5~30/65 (optional)
Flatness In Band	dB	±0.75	±1.5
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)	
Gain Adjust Range	dB	1~20dB Fixed Attenuations (1dB	1~20dB Fixed

		step) or adjustable continuously	Attenuations (1dB step)
Slope Adjust Range	dB	1~15dB Fixed Attenuations (1dB step) or adjustable continuously	
RF Reflection Loss	dB	≥16 (45~550MHz)≥14 (550~750/862MHz)	
NPR Dynamic Range	dB		≥10 (NPR≥30)
Output Impedance	Ω	75	
Working Temperature	°C	-40 ~+60	
Storage Temperature	°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.
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