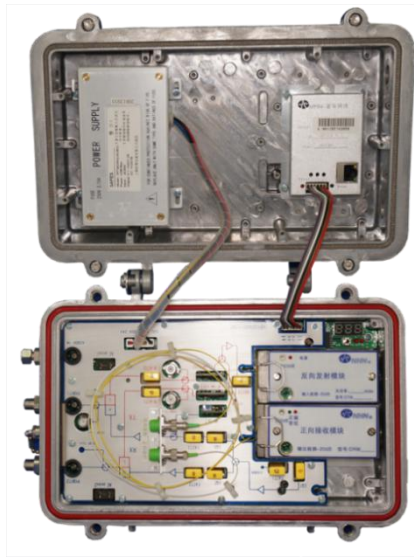


Outdoor Bi-Directional Optical Receiver



Features

- 1000MHz transmission bandwidth, bi-directional transmitting
- Wide optical adjustment range of AGC($-7 \sim +1$ dBm)
- Two distributions with high output level(112dBuV/2 distributions)
- Temperature compensation function for output level of digitalization processing
- Complete and intelligent webmaster function with configurable webmaster transponder that meets national standard
- Balancing and attenuating of forward and reverse direction applies GS inserting design, single plug-in, easy to adjust and use
- Modular design for components inside the machine, easy to maintain and upgrade
- Downstream and upstream port for receiving and transmitting data
- Military level switching power supply, wide range of input voltage, dual lightning protection, with good security and reliability

Specification

Forward Direction		Reverse Direction		
Item	Parameter	Item	Parameter	
			DFB	FP
Input Optical Power	+1.5~-7dBm	Output Optical Power	2~4 mW	> 1mW
RF Band	45~862/1000MHz	RF Band	5~65 MHz	
RF Output Level	> 112dBuV@-7~0dBm	RF Total Input Power	15dBmV	
Nominal RF Output Impedance	75Ω	Nominal RF Input Impedance	75Ω	
Nominal RF Output Reflection	≥16 dB (45~862 MHz)	Nominal RF Input Reflection	≥16 dB	
	≥14 dB (862~1000MHz)			
Link Flatness	±1.5 dB	Link Flatness	±1 dB	
Direct Current	≤0.8A@ +24V	Direct Current	≤0.3A@ +24V	
C/N(*)	≥51 dB	C/N(1)	> 50 dB	> 45 dB
C/CTB(*)	≥65 dB	C/CTB(1)	≥51 dB	≥45 dB
C/CSO(*)	≥60 dB	C/CSO(1)	≥55 dB	≥45 dB
(*) Standard Optical transmitter, -1dBm Optical receive power, 9dB slope, single input port of 108dBμV		NPR/Dynamic Range(1)	30/25	30/20
		Note(1): > Test Conditions–Standard optical receiver,5dB link lost > Four Signal Method – 19, 25, 31, 37MHz > Two Signal Method – 13, 19MHz		
Size (Length × Width × Height)		317mm×226mm×117mm		
Reference Net Weight		3.5Kg		