



Description

PT3282B optical node can be used for CATV networks, digital networks, and telecommunications networks. Especially for fiber to the building, the output port directly over-ride the user's FTTx network.

The received optical power range of PT3282B is from -9dBm to +3 dBm, optical AGC range is from -7 to -1 dBm, within this range, the dual-port independent of the output of each RF level up to 108dBuV. -1 DBm received CNR greater than 51dB.

Feature

- 47-870/1000MHz operating bandwidth
- Meet the national standard SNMP network management requirements, support the setup, management of remote network management operation or local key operation on the receiver.
- improve the surge suppression circuit to improve the ability of anti-lightning and prevention of the impact of the surge.
- -7 to -1 dBm stable and reliable optical AGC function, received optical power range -9 to +3 dBm.
- the use of imported low-noise, high-performance, highly reliable GaAs chip, greatly improved the C / N and nonlinear distortion characteristics, while significantly reducing the overall power consumption, Power consumption less than 8W.
- strict reliability tests, more than 100,000 hours MTBF.
- the selection of the response is greater than 0.9A / W high-light detector.,
- Digital real-time display of various operating parameters, the ESC attenuation (A), balanced (E), Through external 3G certified high-quality opening adapter

Specification

description	units	specification	note
Optical Specifications			
Wavelength	nm	1100~1600	
Optical Power Input Range	dBm	-9~+3	
Optical AGC Range	dBm	-7 ~ -1	
Responsivity	V/mW	0.85/0.9	1310nm/1550nm
Optical Input Return Loss	dB	≥50	
RF Specifications			
Bandwidth	MHz	47~1003	Or 870 MHz (Without diplex)
Flatness	dB	≤±0.75	
Gain adjustment range	dB	0~15	
Equalizer adjustment range	dB	0~15	
Nominal RF Output Level	dB μ V	108	Maximum output level
		106	Standard output level
Reflection loss	dB	≥16	
Test port	dB	-20±1	
Impedance	Ω	75	
CNR	dB	≥51	
CSO	dBc	≥60	
CTB	dBc	≥65	
Anti-surge	V/A	4000	Surge (1.2/50us), IEEE62.41 and IEC 1000-4-5
Power Supply			
Input Voltage Range	VDC	7V	
Power consumption	W	<10	

Environmental Parameters			
Operating Temperature	°C	-25~60	
Storage Temperature	°C	-40~80	
Storage Humidity	RH%	10%~90%	
User Interface			
Optical Connector Type		SC/APC	FC/APC, E2000
RF Output Connector		F-type	Male or Female
Forward Receiving Optical Power Indicator		One-colored LED	
dimension	mm	163×125×38	
weight	Kg	1.5	