



### Feature

- 1 high response pin photoelectric conversion tube.
- 2 optimized circuit design, smt process production, optimized signal path, make the photoelectric signal transmission more smooth.
- 3 specialized rf attenuation chip, good rf attenuation and equilibrium linear, high accuracy.
- 4 gaas amplifier device, power double output, high gain and low distortion.
- 5 single chip microcomputer (scm) control equipment working, lcd display the parameters, convenience and intuitive operation, and stable performance.
- 6 excellent agc performance, when the input optical power range is -9~+2dbm, the output level keep unchanged, ctb and cso basically unchanged.
- 7 reserved data communication interface, can connect with class ii network management responder, access to network management system.

### Technical Parameters

Item	Unit	Technical Parameters	
Forward optical receiving part			
Optical Parameters			
Receiving Optical Power	dBm	-9 ~ +2	
Optical Return Loss	dB	>45	
Optical Receiving Wavelength	nm	1100 ~ 1600	
Optical Connector Type		FC/APC, SC/APC or specified by the user	
Fiber Type		Single Mode	
Link Performance			
C/N	dB	≥ 51(-2dBm input)	
C/CTB	dB	≥ 65	Output Level 108 dBμV Balanced 6dB
C/CSO	dB	≥ 60	
RF Parameters			

Frequency Range	MHz	45 ~862/1003
Flatness in Band	dB	±0.75
Rated Output Level	dB $\mu$ V	≥ 108
Max Output Level	dB $\mu$ V	≥ 114
Output Return Loss	dB	≥14
Output Impedance	$\Omega$	75
Electronic Control EQ Range	dB	0~10
Electronic Control ATT Range	dB $\mu$ V	0~20
Return Optical Transmit part		
Optical Parameters		
Optical Transmit Wavelength	nm	1310±10, 1550±10 or specified by the user
Output Optical Power	dBm	0.5, 1, 2
Optical Connector Type		FC/APC, SC/APC or specified by the user
RF Parameters		
Frequency Range	MHz	5 ~ 65(or specified by the user)
Flatness in Band	dB	±1
Input Level	dB $\mu$ V	72 ~ 85
Output Impedance	$\Omega$	75
General Performance		
Supply Voltage	V	A:AC(150~265)V;B:AC(35~90)V;C:DC48V
Operating Temperature	°C	-40~60
Storage Temperature	°C	-40~65
Relative Humidity	%	Max 95% no condensation
Consumption	VA	≤ 30
Dimension	mm	483(L)* 345(W)* 44(H)