

# Optical CATV Receiver

MAKE YOUR  
OPTICAL NETWORKS  
MORE RELIABLE



Optical CATV receiver products are made for FTTB access network application. The characteristic of high output power level makes it suitable for PON and the situation where one receiver serves 16~64 users. Product information and operating status can be acquired by Ethernet port with SNMP or web. Furthermore some parameters can be tuned or reset through the network port.

## Features

- High output power
- Low distortion
- High CNR
- Large optical dynamic range with AGC
- ESD/surge immunity

## Applications

- CATV optical system
- FTTB, HFC
- Video PON

## Specifications

Parameter		Unit	Value	Notes
Operation Wavelength		nm	1300~1600	Without optical filter
			1550~1560	With CWDM filter
Input optical power		dBm	-8 ~ +2	
Optical return loss		dB	34	1550nm
Carrier frequency range		MHz	47 ~ 862	
RF Output impedance		Ω	75	
Output level	Enhanced	dBuV	95	
	High-power		100	
Flatness		dB	±1.5	
C/N		dB	50	
CSO		dBc	>57	
CTB		dBc	>58	
LOSS		dBm	-10	LED
OVERLOAD		dBm	+2	LED
Operation temperature		°C	-20 ~ 70	
Operation humidity		%	5 ~ 75	
RF Port			Female F-type connector	
Ethernet Port			RJ45, SNMP, WEB	
Power	Enhanced	W	2	AC220V/AC110V to DC12V adapter.
	High-power		5	
Package		mm	165×143×36	

Note: : -1dBm input optical power, 59 PAL-D channel, 3.5% OMI(optical modulated index) per channel.

## Ordering information

