



INTRO

Fiber to the home (FTTH) broadband access is the ultimate development goal, optical receiver is the target terminal products for this goal. device adopts technology of high isolation WDM in order to separate CATV and ONU signal. Further more, it also adopts low optical power receiving and RF-AGC control technique, which could achieve the requirement of .-10dBm CATV receiving for FTTH. The optical power receiving monitoring indicator LED (.-15dBm) is provided on the pane and it supports RF outputs constantly , convenience of customers use, which is the ideal receiver equipment for FTTH.

TECHNICAL PARAMETERS

	Item	Unit	Parameter
Optical Characteristic	input wavelength	(nm)	1310,1490,1550
	Output wavelength	(nm)	1310-1490
	operation wavelength	(nm)	1540~1560
	channel separation	(dB)	≥40 (1310/1490nm and 1550nm)
	response	(A/W)	≥0.9
	receive power range	(dBm)	+2~-18
	reflection loss	(dB)	≥55
	fiber linker		SC/APC
	PON linker		SC/APC
RF Characteristic	Bandwidth/flatness	MHz/dB	47-1000/≤±1
	output level	dBuV	AGC: 82±1/(-2~-12dBm)
	reflection loss	dB	≥14 (75Ω characteristic impedance)
	RF output interface		Metric (two way output)
	CNR/MER	dB	≥44/34 (PAL-D 60CH, OMI3.8%, -9dBm)
	CTB/CSO/HUM	dB	≥65/≥60/≥60 (-1dBm receive)
Other	power supply/consumption	V/W	External AC100~240V→DC5/5
	working/storage temperature	°C	-35~50/-40~75(humidity 5~90%)
	size	mm	95×92×23