

FTTH PON & CATV WDM OPTICAL RECEIVER

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Variants

FWR-8610RW

Details

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1. Introduction

Fiber to the home (FTTH) broadband access is the ultimate development goal, the FWR-8610RW optical receiver is the target terminal products for this goal. FWR-8610W device adopts the technology of high isolation WDM in order to separate CATV and ONU signal. Furthermore, it also adopts AGC control technique, which could achieve the requirement of -9dBmCATV receiving for FTTH. The optical power receiving monitoring indicator LED (-15dBm) is provided on the pane and it supports RF outputs constantly, the convenience of customers use, which is the ideal receiver equipment for FTTH

Technical Index

Item		Unit	Performance 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	(dB)	+3~-18
RF characteristic	reflection loss	(dB)	?55
	fiber linker	/	SC/UPC and SC/APC
	Bandwidth/flatness	MHz/dB	47-1000/?±1
	output level	dBuv	82/76/70±1/(-2~-9/-12/-15dBm)
	output level adjustment	dB	0~18

	reflection loss	dB	?14(75? characteristic impedance)
	RF output interface	/	Metric (one-way output)
	CNR/MER	dB	?44/34(PAL-D 60CH,OMI3.8%,-9dB
	CTB/CSO/HUM	dB	?65/?60/?60(-1dBm receive)
Another requirement	power supply/consumption	V/W	External AC155~255V?DC12,/5
	working/storage temperature	°C	-35~50/-40~75(humidity 5~90%)
	size	mm	130×60×22

Packing: 1 pc per inner box, 80 Pcs Per carton

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