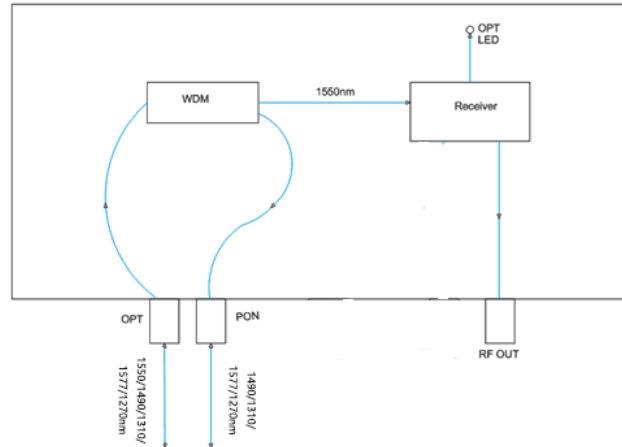


V8601C-P Datasheet

1. Description

V8601C-P CATV Passive optical receiver is designed for digital TV fiber to the home. It adopts high sensitivity optical receiver tube, no power supply, no power consumption. When input optical power $P_{in}=0\text{dBm}$, output level $V_o=60\text{dB}\mu\text{V}$. It can be economically and flexibly used in the application of fiber to the home. Built-in WDM, CATV bandwidth $1550\pm 20\text{nm}$.



Block Diagram

2. Features

- No power supply, no power consumption
- 1 GHz operating bandwidth
- Input optical range: $+2\sim-9\text{dBm}$
- Output level $=60\pm 2\text{dB}\mu\text{V}$ ($P_{in}=0\text{dBm}$)

3. Specification

Description			Value	Notes
Optical Characteristics	wavelength	(nm)	1550	CATV
			1490/1310	XPON
			1577/1270	10G PON
	Response	(A/W)	≥0.85	1310nm
			≥0.9	1550nm
	Optical Power Input Range	(dBm)	+2~-9	
	Optical Return loss	(dB)	≥55	
	connector		SC/APC	
RF Characteristics	Bandwidth	(MHz)	45 ~ 1050	
	output level	(dBμV)	>60±2	Digital Tv(Pin=0dBm)
	output impedance	(Ω)	75	
	Output port		1	
	RF connector		F connector	imperial
Digital TV link Characteristics	MER	(dB)	≥33	Pin= -5dBm
	BER	(dB)	<1.0E-9	Pin= -5dBm
Physical Characteristics	Operating Temperature	(°C)	-20 ~ +50	
	Storage Temperature	(°C)	-40 ~ 85	
	Working Humidity	(%)	5 ~ 95	
	Dimensions	mm	75*55*28	

4. Shipping packaging

Description	Quantity	Weight	Carton Size
Shipping packaging	100pcs/ctn	11kg/ctn	420*420*250mm