

Description

TA8130 is an outdoor optical receiver with 2 outputs. High quality optical receiving module, Philips hybrid amplifier module, high performance return path transmitter and switch-mode power supply provide a more choice for your network configuration.



- ◆ High quality E-O PIN-diode receiving module.
- ◆ Four-stage input optical power LED display.
- ◆ Wide range of input optical power.
- ◆ PHILIPS Power Doubler output module.
- ◆ Plug-in splitter(tap) in output and plug-in return path module.
- ◆ Local and remote powering.
- ◆ Weatherproof and RF-screened die-cast housing.

Electrical performance

Item	Unit	Specification
Forward Optical Receive Parameter		
Optical Parameter		
Input Power Range	dBm	-5~+2
Optical Return Loss	dB	> 45
Optical Wavelength	nm	1100~1600
Operating Fiber Type		single mode
System Parameter		
C/N	dB	> 51
C/CTB	dB	> 65
C/CSO	dB	> 60
RF Parameter		
Frequency Range	MHz	45/87~862
Flatness	dB	±0.75
RF Output Level	dBuV	> 106 (Input Optical Power 0dBm)
Return Loss	dB	≥16(47-550MHz); ≥14(550-862MHz)
Output Impedance	Ω	75
Return Optical Transmit Parameter		

Optical Parameter		
Optical Wavelength	nm	1310±10
Laser Type		FP or DFB
Output Optical Power	dBm	1~5
RF Parameter		
Frequency Range	MHz	5~30/65
Flatness	dB	±1.5
Input Power Level	dBuV	90~98
Input Return Loss	dB	≥16
Input Impedance	Ω	75
Noise Power Ratio Dynamic Range	dB	≥10 (NPR≥30dB)

General

- ◆ Connectors : FC/APC or SC/APC, F connector imperial thread
- ◆ Power supply : AC135~250V(local powering); AC35~90V(remote powering)
- ◆ Power consumption : 25 W
- ◆ Operating Temperature : -40 ~ +60 °C
- ◆ Storage Temperature : -40 ~ +65 °C
- ◆ Relative Humidity: max. 95% no condensation
- ◆ Dimension: 325 (L)*210 (W)*135 (H) mm
- ◆ Weight:

Block Diagram

