

OR2202 mini Optical Receiver

Features

- ◇ Three color LED to indicate input optical power.
- ◇ Optional optical controlling AGC circuit to keep the equipment output level constant.
- ◇ High response PIN photoelectric converter to make the equipment with excellent CNR index.
- ◇ DC input adopts standard 5.5×2.1 socket, and +12V input voltage.
- ◇ High-quality plastic case, looks beautiful and easy to install.

Youxin



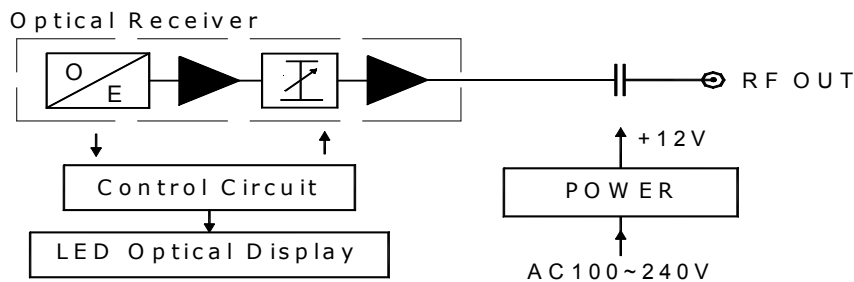
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Description

YOUXIN OR2202 series optical receiver is a kind of optical receiver specially designed for FTTH application scene, which adopts low-noise MMIC amplifying circuit to ensure optical receiver has excellent distortion index and high MER value at low input power.

Block Diagram



Parameter

Item	Unit	Parameters							
		2202	2202M	2202P	2202MP	2202L	2202ML	2202PL	2202MPL
optical									
Receiving optical power range	dBm	-12~+2				-18~-5			
Suggested Receiving optical power range	dBm	-12~-2				-16~-6			
Optical return loss									
Receiving optical wavelength	nm	1290~1610		1540~1560		1290~1610		1540~1560	
AGC Function	-	Optical control	--	Optical control	--	Optical control	--	Optical control	--
AGC range	dBm	-10~0	--	-10~0	--	-15~-5	--	-15~-5	--
Connector type	-	SC/APC							
optical link performance									
CNR	dB	≥46@-8dBm				≥46@-10dBm			
C/CTB	dB	≥65@-8dBm				≥65@-10dBm			
C/CSO	dB	≥60@-8dBm				≥60@-10dBm			
MER	dB	≥30@-12dBm				≥30@-15dBm			
RF									
Frequency range	MHz	45~1002							
In-band flatness	dB	±1.0							
RF output level	dBμV	≥76dBuV@-10dBm				≥66dBuV@-15dBm			
RF output impedance	Ω	75							
Output return loss	dB	≥14							
General features									

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Power supply		AC100~240
Optical power display type	-	Three color LED
Operation temperature	°C	-20~+55
Storage temperature	°C	-40~+65
Power consumption	W	3.0 (Max)
Dimension	mm	105×85×25
Net weight	Kg	0.2