

SUN54080RB Optical Receiver Module

Description

SUN54080RB CATV optical receiver module is applied in CATV network user side to receive 1550nm and 1310nm wavelength of video optical signal. The receiver module contains an Automatic Gain Control (AGC) circuit to maintain the output level over an input optical power of -8dBm~+2dBm.in the frequency range 45MHz~1000MHz,the output slope is 4dB. It contains an RF output signal Enable/Disable function for customers to control the video signal's On/Off.

Specifications

Optical wavelength	1290nm~1610nm
Optical AGC range	-8dBm~+2dBm
Optical receive range	-10dBm~+2dBm
Frequency range	45MHz~1000MHz
Flatness In Band	±1dB
slope	4dB
Output level	80±2dBmV(527.25MHz)
Reflection loss	≥14dB
CTB	≥65dB
CSO	≥60dB
C/N	≥46dB

Order information

Item	Receive	Frequency range	Optical AGC range	Output level	Output hige	Applied range
SUN54080RB	PD	45MHz~1000MHz	-8dBm~+2dBm	80dBuV	with	FTTH
SUN54002RB	-PD	45MHz~1000MHz	-8dBm~+2dBm	102dBuV	without	FTTB