

Micro Low Optical AGC Receiver (SR1000AF)



Model SR1000AF Series provides 40-1002MHz bandwidth, Excellent low-light amplifier and gain adjustment unit, industrial 8-bit control unit , convenient interface and application for terminal customers.

Features

- Analog TV & Digital TV, FTTX, O-E converter applications.
- High linearity, low distortion and wide optical power AGC range(-13dBm to -2dBm).
- Wide operating optical input range of 2 to -20dBm at 1550nm.
- Optional optical power input -2 to 1dBm for RF output performance.
- -13 to -2dBm Optical Input RF output: +80dBuV per channel at 3.5% OMI (22dBmV modulation input).
- Full frequency range 40-1002MHz with CATV
- Small flexible installation and Power supply on the line.

Specifications

Number Item	Unit	Description	Remark
Customer Interface			
RF Connector		75Ω"F" connector	United standard
Optical Input Connector		SC/APC	
DC Supply		DC Adapter	
Optical Input Power	dBm	-20 ~ +2	
Optical Return Loss	dB	15(Min), 45(Type)	
Operating Wavelength(Rx)	nm	1550	
Respnsivity	A/W	>0.9	
Insertion Loss	dB	0.4(Type), 0.6(Max)	
Isolation	dB	35(Min)	
Optical Fiber Type		SM 9/125um SM Fiber	
Frequency Range	MHz	40 ~1002	
Band Flatness	dB	<±1	
Output Level(@AGC)	dBuV	80	Customizable Max output to 104dBuV
Optical AGC Range	dBm	-13 ~ -2	
RF Gain Range	dB	22	
Output Impedance	Ohms	75	
CATV Output Freq. Response	MHz	40 ~1002	Test in Analog Signal
C/N	dB	42	-10dBm inpput,96NTSC,OMI+3.5%
CSO	dBc	57	
CTB	dBc	57	
CATV Output Freq. Response	MHz	40 ~1002	Test in Digital Signal
MER	dB	38	-10dBm inpput,96NTSC
MER	dB	34	-15dBm inpput,96NTSC
MER	dB	28	-20dBm inpput,96NTSC
Power Input Voltage	VDC	9V	
Power Consumption	W	<2	
Dimensions	mm	57*45*19	
Net weight	KG	0.119	