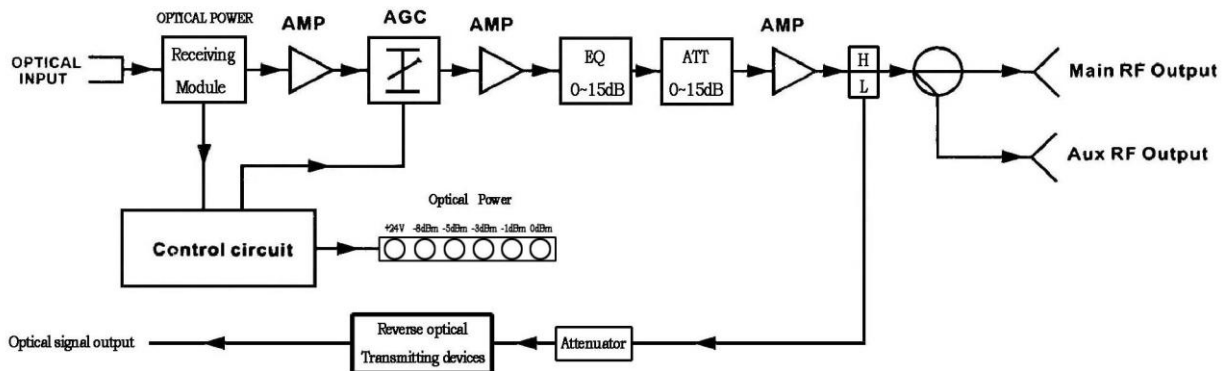


MST 8230A-4007AGC/R OPTICAL RECEIVER

Features:

- Adopt high-sensitivity PIN optical detector
- With GaAs module at forward stage to reduce the thermal noise
- With PHILIPS、MOTOROLA power-doubled module to ensure the excellent indexes of the unit
- Input optical power indication circuit
- 60V completely feeding port, and 15A over-current ability
- Aluminum-cast water-proof shell, high-stability switch power supply, nice anti-thunder over-voltage protection system, to ensure the good field operating surroundings
- With multi-outputs, suitable for “Fiber to community” and “Fiber to building head”
- Switch power supply, with multiple protection and anti-thunder, ensures the safe and reliable operating of the unit
- Optical AGC control, the RF output level, CTB, CSO remain almost the same while receiving at $-7\sim+2$ dBm optical power.

Block Diagram:



Parameters:

Items	Unit	Parameters
Forward Optical Parameter		
Operating wavelength	nm	1100~1600
Receiving optical power	dBm	-7~+2
Optical connector		SC/APC
C/N	dB	≥ 52 dB
C/CTB	dB	(-1dB input level) ≥ 65
C/CSO	dB	(-1dB input level) ≥ 60

Frequency range	MHz	47-862
RF output level(2 output)	dBuV	≥ 105 dBuV (-7~-2dBm receiving)
Flatness in band	dB	± 0.75
Output loss	dB	≥ 16 dB (≤ 550 MHz) ≥ 14 (550M-870M) Hz
Output impedance	Ω	75
Reverse Transmission Parameter		
Wavelength	nm	1310 ± 10
Output Optical Power	mW	2
RF Frequency Band	MHZ	5~65
RF Input Level	dBuV	88-96
Optical Fiber Connector		SC /APC
General		
Power Voltage(50HZ)	V	60VAC
Power Consumption	VA	16(C)/20(P)
Dimension	mm	330*230*150
Weight	KG	3.5

Testing conditions: the modulation of the optical transmitter is 4%; to transmit the analog signal in the bandwidth of 47-550MHz; to transmit digital data in the bandwidth of 550-860MHz, and the data signal is less 6dB than the analog signal.