

PT-1310AG 1310nm Optical Transmitter (Economical AGC)

Content

Product overview

PT-1310AG series 1310nm optical transmitter is a type of **economical AGC** optical transmitter. The height of the transmitter is 1U, it can be mounted on the 19" frame conveniently. The main devices adopt AOI, XT or Ortel DFB low noise which contains thermoelectric refrigerator, continuous wave laser. The whole technical performance indexes reach the similar imported equipment standard, supplying quality long distance transmission of images, figures or compressed digital signal to cable and telephone communications.

Features

- 1) High quality: Original system optimal control technology, RF pre-distortion techniques make system getting optimal CTB, CSO and CNR indexes
- 2) Reliability: The 19" 1U standard rack, built-in high-performance switching power supply, it can work at 85~265Vac MS level automatic switch, chassis cooling can be automatic control by temperature.
- 3) Intuition: Laser is the most expensive machine components, machine equipped with microprocessor monitors the working state of the laser, the panel LCD window displays the operating parameters.
- 4) Network management (Optional): RS232 port for local management and monitoring, RJ45 port for remote control and management.

Technical specification

Project	Unit	Parameter	Remark
Laser model		DFB laser	
Optical wavelength	nm	1310±10	
Optical modulation modes		Internal modulation	
Optical output power	mW	2~28	
Optical connector form		SC/APC	FC/APC optional
Frequency range	MHz	45~750(862)	
Carrier to Noise ratio	dB	≥51.0	
Flatness	dB	±0.75	
RF input signal level	dBuV	75~85	AGC control
C/CTB	dB	≥65.0	
C/CSO	dB	≥60.0	
RF input impedance	Ω	75	
RF input reflection loss	dB	>16(47~550)MHz >14(550~750(862))MHz	
Network management interface		RJ45	Support browser and SNMP
Power supply	V	90~265	
power consumption	W	≤50	Single power supply
Operating temperature	°C	0~50	Automatic chassis controls temperature
Storage temperature	°C	-20~85	
Working relative humidity	%	20 ~85	
Size	"	19"×11"×1.75"	(W) x (D) x (H)

Products series

Model	1310nm optical transmitter (AGC)	
	Output power in mW	Output power in dBm
PT-1310AG-04	≥4	≥6
PT-1310AG-06	≥6	≥7.8
PT-1310AG-08	≥8	≥9
PT-1310AG-10	≥10	≥10
PT-1310AG-12	≥12	≥10.8
PT-1310AG-14	≥14	≥11.5
PT-1310AG-16	≥16	≥12
PT-1310AG-18	≥18	≥12.5
PT-1310AG-20	≥20	≥13
PT-1310AG-22	≥22	≥13.4
PT-1310AG-24	≥24	≥13.8
PT-1310AG-26	≥26	≥14.0
PT-1310AG-28	≥28	≥14.5