

C-band High Gain Optical Amplifier LHA-100C

Key Features

- High Output Gain with > 50dB
- Low Input Power of -50dBm
- Low Noise Figure

Applications

- Low Signal Amplification
- Fiber Optic Components Testing
- Optical Sensing Application

Category	Parameter	Specification				
		Min.	Typ.	Max.	Unit	
Optical Characteristics	Wavelength Range	1529		1562	nm	
	Input Signal Type	Continuous Wave (CW)				
	Input Signal Power Level	-45		-15	dBm	
	Saturated Output Power @ Pin of -15 dBm	10	15		dBm	
	Gain @ -45dBm Input	40	42		dB	
	Gain @ 1531~1534nm, -45dBm Input Signal	50	53		dB	
	SM Type	Noise Figure @ -45dBm Input Signal ⁽¹⁾		3.6	4.2	dB
		Polarization Dependent Gain (PDG)		0.3	0.5	dB
		Polarization Mode Dispersion (PMD)		0.3	0.5	ps
		Optical Fiber	SME-28e			
	PM Type	Noise Figure @ -45dBm Input Signal ⁽¹⁾		3.2	3.8	dB
		Polarization Extinction Ratio (PER)	20	23		dB
		Optical Fiber	Panda 1550nm Fiber			
		Input/Output Isolation		> 30		dB
Control	Optical Connector	FC or SC, SPC or APC				
	Electrical Power Consumption		50		W	
	Remote Control	USB				
Recommended Operating Conditions	Power Supply	AC 100~240 (50/60 Hz)				
	Operating Temperature		+10 ~ +45		°C	
	Storage Temperature		0 to +60		°C	
Physical	Dimension (WxHxD)	236 x 88 x 360				
	Weight		5		kg	

Note: (1) Measured at 25°C±3°C.

Order Instruction

Model

LHA-100C-YY-ZZ

YY: SM --> Single Mode, PM --> Polarization Maintaining

ZZ: FS-->FC/SPC, FA-->FC/APC, SS-->SC/SPC, SA-->SC/APC

