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	Specificfation			
		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
	Optical Connector		FC or SC, SPC or APC		
	Electrical Power Consumption		50		W
Control	Remote Control		USB		
Recommended Operating Conditions	Power Supply		AC 100~240 (50/60 Hz)		Vac
	Operating Temperature		+10 ~ +45		°C
	Storage Temperature		0 to +60		°C
Physical	Dimension (WxHxD)		236 x 88 x 360		mm
	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