

CL-Band High-Gain Polarization Maintaining Optical Amplifier: LHA-100CL

Key Features

- High Output Gain of larger than 50dB
- Low Input Power of -50dBm
- Low Noise Figure Feature

Applications

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

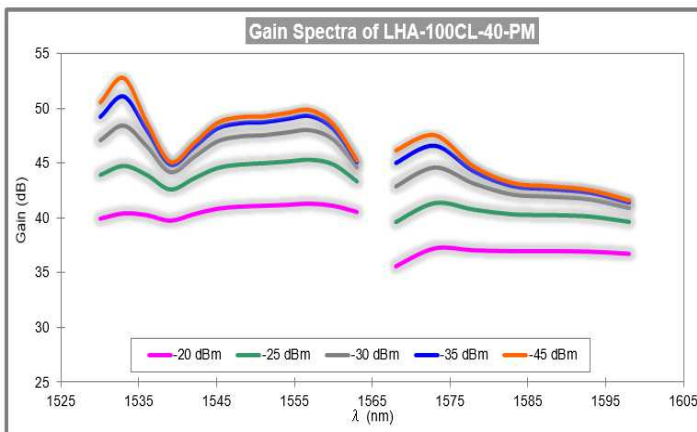
Category	Parameter	Specification				
		Min.	Typ.	Max.	Unit	
Optical Characteristics	Wavelength Range	(C-band)	1529		1563	nm
		(L-band)	1570		1603	nm
	Input Signal Type	Continuous Wave (CW)				
	Input Signal Power Level	-45		-15	dBm	
	Saturated Output Power @ Pin of -15	10	15		dBm	
	Gain @ -45dBm Input	35	40		dB	
	Gain @ 1531~1534nm, -45dBm Input	50	52		dB	
	Noise Figure @ -45dBm Input Signal ⁽¹⁾		3.8	4.5	dB	
	Polarization Extinction Ratio (PER)	20	22		dB	
	Optical Fiber	Panda 1550nm Fiber				
	Input/Output Isolation		> 30		dB	
	Optical Connector	FC or SC, SPC or APC				
Electrical Power Consumption		35		W		
Control	Contro Method	ACC				
	Remote Control	USB				
Recommended Operating Conditions	Power Supply	AC 100~240 (50/60 Hz)			Vac	
	Operating Temperature	+10 ~ +40			°C	
	Storage Temperature	0 to +60			°C	
Physical	Dimension (WxHxD)	429 x 88 x 360			mm	
	Weight	8			kg	

Note: (1) Measured at 25°C±3°C

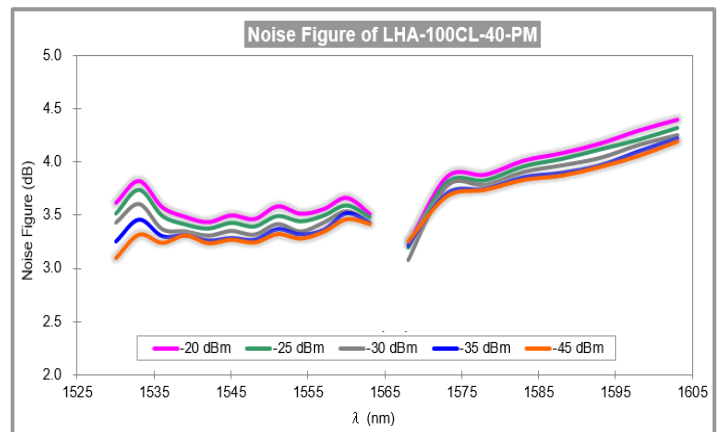
Order Instruction

Model LHA-100CL-40-PM-ZZ

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



Typical Gain Spectra of LHA-100CL-40-PM



Typical Noise Figure Performance of LHA-100CL-40-PM