

C Band Single Channel PreAmp EDFA

Lightem LCSA53 Fiber optic EDFA product series features high gain and low loss amplification in single channel C-Band (1528~1564nm). It meets the single channel C-Band boost EDFA 's requirement. It is optimized in design of the optical path and high-quality GFF, as well as gain spectrum in the whole C-Band.

LCSA53 front LCD panel provides features include work index of all equipment include, alarm, optical loss, laser operating status.



FEATURES

- Covered full C-Band
- High gain, low noise
- Excellent Transient feature
- Low noise figure
- Excellent P/P ratio

SPECIFICATIONS

Optical Parameters	Min	Typ	Max	Unit	Remark
Operating wavelength range	1528		1564	(nm)	C Band
Input optical power	-45	-30	-20	(dBm)	
Signal gain		20		(dBm)	LCSA5320
		25		(dB)	LCSA5325
		30		(dB)	LCSA5330
		35		(dB)	LCSA5335
		40		(dB)	LCSA5340
Noise figure		4.5		(dB)	Max output & gain
Polarization dependence loss (PDL)			0.3	(dB)	
Polarization dependence Gain (PDG)			0.3	(dB)	
Polarization mode dependence (PMD)			0.3	(ps)	
Input/Output optic isolation	30			(dB)	
Pump leakage power			-30	(dBm)	
Echo loss	45/55			(dB)	
Optical Supervisory Channel Wavelength	1500	1510	1520	(nm)	UPC/APC
General features					
SNMP Network Management Interface		RJ45			
Communication interface		RS232			
Power supply	90		265	(V)	220V AC
	30		72	(V)	-48V DC
Power consumption			30	(W)	
Working temperature	-5		+70	(°C)	
Storage temperature	-40		+85	(°C)	
Working relative humidity	5		95	(%)	
Size (W)×(D)×(H)		483x205x44		(mm)	

ORDERING INFORMATION

P/N	Gain gain (dB) (Pin=-30dBm)	Output Power (dBm) (Pin=-30dBm)
LCSA5320	20	-10
LCSA5325	25	-5
LCSA5330	30	0
LCSA5335	35	+5
LCSA5340	40	+10