

C Band Single Channel Booster EDFA

Lightem LCSA51 Fiber optic EDFA product series features gain spectrum inclination, provide Gain flatness Boost in 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.

LCSA51 front LCD panel provides features include work index of all equipment include, alarm, optical loss, laser operating status.



FEATURES

- High gain, Low noise, high performance and high reliability
- Cover Full C Band
- Telecommunication-grade security and reliability, and network management function
- 1+1 powers supply back up ,hot-plug function available
- Excellent P/P ratio in area

SPECIFICATIONS

Optical Parameters	Min	Typ	Max	Unit	Remark
Operating wavelength range	1528		1564	(nm)	C Band
Input optical power	-10		+6	(dBm)	
Output optical power	10		25	(dBm)	Refer to ordering info.
Noise figure		5.0		(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)	UPC/APC
Optical Supervisory Channel Wavelength	1500	1510	1520	(nm)	
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	Max Output Power(dBm) (Pin=0dBm)	Wavelength (nm)
LCSA5110	10	1528~1564 C-Band
LCSA5113	13	1528~1564 C-Band
LCSA5117	17	1528~1564 C-Band
LCSA5118	18	1528~1564 C-Band
LCSA5119	19	1528~1564 C-Band
LCSA5120	20	1528~1564 C-Band
LCSA5123	23	1528~1564 C-Band
LCSA5124	24	1528~1564 C-Band
LCSA5125	25	1528~1564 C-Band