

DWDM PreAmp EDFA

LDWA53 Gain flatness PreAmp EDFA, adopts optimized design of optical path and high-quality GFF, flatness of gain spectrum <1.0dB (typical value. <0.8dB), it can completely satisfy the requirement of Gain flatness Pre-EDFA worked in which features low noise figure and high gain >40dB. It can also be applied in WDM CATV system for video, audio and data transmission. With the completely control of APC, ACC and ATC, perfect design in the ventilation and heat output ensure the long life of pump laser and high reliable work. RS232 and RJ45 offer serial commutation and SNMP network port. The work status of equipment's warning signal; Optical loss, laser operating status etc can be displayed on the front LCD panel.



FEATURES

- The gain flatness <1.0dB (Typ.=0.7dB)
- High-gain >40dBm (Pin= -30dB)
- Low noise figure – Broad operating wavelength
- APC, ACC, ATC – Perfect RS232 communication interface and SNMP function
- Excellent P/P ratio

SPECIFICATIONS

Optical Parameters	Min	Typ	Max	Unit	Remark
Operating wavelength range	1529.16		1563.86	(nm)	ITU 88CH
No. of working channel	1	44		Ch	
Input optical power range (Pi)	-45	-30	-20	(dBm)	
Signal gain		20		(dBm)	LDWA5320
		25		(dB)	LDWA5325
		30		(dB)	LDWA5330
		35		(dB)	LDWA5335
Typical saturation output power(Po)	13			(dBm)	
Gain flatness		0.7	1	(dB)	Value of Peak-to-peak
Noise figure		4.5		(dB)	Max ouput , Max. 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	Saturated Output Power(dBm)	Gain gain (dB)
LDWA5314-13		13
LDWA5314-14		14
LDWA5314-17		17
LDWA5314-20		20
LDWA5314-22	14	22
LDWA5314-24		24
LDWA5314-25		25
LDWA5314-27		27
LDWA5314-30		30
LDWA5314-33		33
LDWA5314-36		36
LDWA5318-14		14
LDWA5318-17		17
LDWA5318-20		20
LDWA5318-22	18	22
LDWA5318-25		25
LDWA5318-27		27
LDWA5318-30		30
LDWA5318-33		33
LDWA5318-36		36