

## DWDM Inline EDFA

Lightem LDWA52 Gain flatness Line 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 DWDM system boost EDFA which needs gain flatness and high output power. It can also be applied in WDM CATV system for video, audio and data transmission. LDWA52 front LCD panel provides features include work index of all equipment include, alarm, optical loss, laser operating status.



## FEATURES

- Low noise, high performance and high reliability
- Broad operating bandwidth
- The gain flatness. Total output power: 20~2500mW optional
- At most 64 ports output
- OADM (Add/Drop) In put port and out put port can choose OADM (Add/Drop)
- The control of laser APC, ACC, ATC
- Perfect RS232 communication interface and SNMP function
- Highly active rooms set and use conveniently
- Excellent P/P ratio Main application
- Line amplify in DWDM system
- WDM fiber CATV system, need low input line and second-grade service area
- FTTP, FTTH

## SPECIFICATIONS

Optical Parameters	Min	Typ	Max	Unit	Remark
Operating wavelength range	1529.16		1563.86	(nm)	ITU 88Ch
No. of working channels	1	44		(CH)	
Input optical power	-20		-5	(dBm)	
Saturated output power	18		23	(dBm)	Refer to ordering info.
Variable output power range	-6		0	(dBm)	VG version
Signal gain	20			(dB)	Refer to ordering info.
Variable gain range	-12		0	(dB)	VG version
Gain Flatness		0.7	1.0	(dB)	Value of Peak to Peak
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	(dB)	
Pump leakage power			-30	(ps)	
Input/Output optic isolatioin	30			(dB)	UPC
Echo loss	45			(dB)	APC
	55			(dB)	
Optical Supervisory Channel Wavelength	1500	1510	1520	(dB)	
Transient parameters					
Transient setting time (16 dB Add / Drop)			700	(dB)	
Transient Overshoot (16 dB Add / Drop)	-1.5		+1.5	(μs)	
Transient gain changes	-0.5		+0.5	(dB)	

<i>General Parameters</i>				
<i>SNMP network management</i>	RJ45			
<i>Communication interface</i>	RS232			
<i>Power supply</i>	90	265	(V)	220VAC
	30	72	(V)	-48VDC
<i>Power consumption</i>	30		(W)	
<i>Working temperature</i>	-5	+70	(°C)	
<i>Storage temperature</i>	-40	+85	(°C)	
<i>Working relative humidity</i>	5	95	(%)	
<i>Size (W)×(D)×(H)</i>	483x205x44		(mm)	

## ORDERING INFORMATION

P/N	Saturated Output Power(dBm)	Gain gain (dB)
LDWA5218-20		20
LDWA5218-22		22
LDWA5218-24	18	24
LDWA5218-27		27
LDWA5218-32		32
LDWA5220-20		20
LDWA5220-22		22
LDWA5220-24	20	24
LDWA5220-25		25
LDWA5220-27		27
LDWA5222-20		20
LDWA5222-22	22	22
LDWA5222-24		24
LDWA5222-27		27
LDWA5223-20		20
LDWA5223-22	23	22
LDWA5223-24		24
LDWA5223-27		27