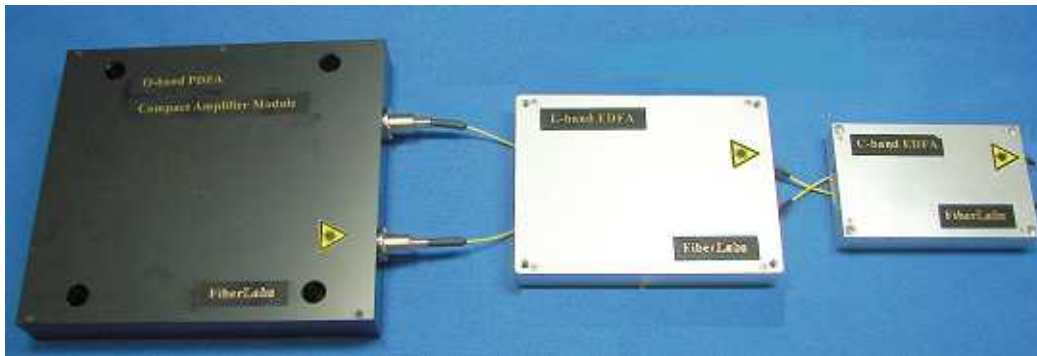




# O/S/C/L-band Compact Optical Amplifier Module Worldwide Sales for OEM Market

## Features

- Small package size
- Input / Output isolators
- Incorporating control electronics
- ALC / APC mode
- RS232 command interface with monitoring and control function



## Applications

- Single-channel
- DWDM sub-systems
- CWDM sub-systems
- Optical cross-connects
- Optical add/drop multiplex
- Channel equalization and pre-emphasis
- Optical fiber sensing
- T&M equipment
- Laboratory testing
- SONET/SDH systems
- Ethernet; GbE, 10GbE
- Video transmission
- CATV networks
- FTTH
- LANs and MANs

## Functions

- Monitor function; Input / Output power level  
Input & Output power,  
Pump LD current  
Pump LD temperature,  
Case temperature,  
Reflection from output connector
- Alarm function;
- Shutdown function; External signal (TTL level)  
Loss of input signal,  
Reflection from output connector

## General Specifications

Band		O-band	S-band	C-band	L-band
Signal Wavelength		1280 ~ 1320 nm	1460 ~ 1500 nm	1530 ~ 1560 nm	1560 ~ 1610 nm
Item		PDFA	TDFA	EDFA	EDFA
Gain	Booster-Amp *1	8 ~ 13 dB	8 ~ 13 dB	12 ~ 18 dB	12 ~ 18 dB
	Pre-Amp *2	10 ~ 20 dB	10 ~ 20 dB	25 ~ 33 dB	25 ~ 33 dB
Noise Figure		< 7 dB	< 7 dB	< 5 dB	< 6 dB
Dimension *3		120 x 150 x 20 mm	120 x 150 x 20 mm	45 x 70 x 12 mm	70 x 90 x 12 mm
Amplifier control		ALC / APC			
Supply voltage		DC 5V / 3.3V			
Electric interface		20 pin / 30 pin			
Input/Output Fibers		SMF			
Optical Connector		SC, FC, MU, LC / SPC, APC			
Operating case temperature		0 ~ 60 °C			
Storage case temperature		-40 ~ 85 °C			

\*1: Input signal: 0dBm @1310, 1490, 1550, 1580nm    \*2: Input signal: -30dBm @1310, 1490, 1550, 1580nm    \*3: Not including protrusions