

# L-Band WDM Benchtop Fiber Amplifiers

*These amplifiers offer excellent gain flatness over the whole L-band.*

## KPS-BT2-L-WDM Series

### Features

- Saturated output power from 13 to 27dBm
- Bandwidth 1570nm-1603nm
- Low noise figure
- Flat gain across the L-Band
- Fiber thermally stabilized
- ACC and APC modes
- GPIB interface

### Applications

WDM in-line amplifier  
WDM pre-amplifier  
WDM booster amplifier

### ORDERING INFORMATION

KPS-BT2-L-xx-WDM-yy-FA

xx=Output power in dBm  
yy=SD (<20dBm); PB(>20dBm)

FA=FC/APC  
(other connectors available upon request)

### OPTICAL SPECIFICATIONS

Saturated Output Power  
Optical Input Power  
Noise Figure  
Gain Flatness  
Polarization Dependent Gain  
Polarization Mode Dispersion  
Return Loss  
Overshoot/Undershoot

### TYPICAL VALUES

13 15 18 21 23 25 27  
from -10 to 0  
< 7.5  
< 1.5  
< 0.5  
< 1  
< -40  
+ / - 1

### UNIT

dBm  
dBm  
dB  
dB  
dB  
ps  
dB  
dB

### NOTES

@Pin=-3dBm  
@Pin=-5dBm  
For 20dB gain  
<0.5ps option available  
Add and drop of 3dB

# WDM C-Band Polarization Maintaining Fiber Amplifiers

*These WDM amplifiers offer a state of the art performance while conserving the state of polarization of the signal.*



## KPS-BT2-C-WDM-PM Series

### Features

- Saturated output power from 13 to 23dBm
- Bandwidth 1530nm-1563nm
- Low noise figure
- High Polarization Extinction Ratio
- Input and output photodiodes
- ACC and APC modes
- GPIB interface

### Applications

High speed transmission  
Wide band PM transmitter subsystems  
Test and measurements  
Sensor applications

### ORDERING INFORMATION

KPS-BT2-C-xx-WDM-PM-SD-FA

xx=Output power in dBm

FA=FC/APC  
(other connectors available upon request)

### OPTICAL SPECIFICATIONS

Saturated Output Power  
Optical Input Power  
Noise Figure  
Gain Flatness  
Polarization Extinction Ratio  
Return Loss

### TYPICAL VALUES

13 15 18 21 23  
from -7 to +3  
< 7.5  
< 2.0  
> 20  
< -40

### UNIT

dBm  
dBm  
dB  
dB  
dB  
dB

### NOTES

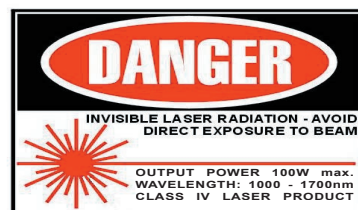
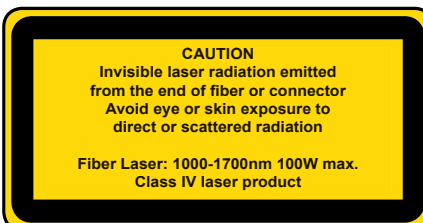
@Pin=-5dBm  
@Pin=-5dBm  
For 20dB gain

# BENCHTOP GENERAL SPECIFICATIONS

ELECTRICAL	TYPICAL VALUES	UNIT	NOTES
AC Voltage	85-264	V	47-63Hz
Power consumption	30 to 100	W	Depending on output power
<b>GENERAL</b>			
Operating Temperature	+15/ +35	°C	
Storage Temperature	-20 / +55	°C	
Size	88 x 448 x 446	mm	
Fiber Type	SMF28		Panda fiber for PM products

All products comply with IEC 60825-1 and FDA (21 CFR Subchapter J) laser safety standards.

Keopsys undertakes a continuous and intensive product development program to ensure that its products perform to the highest technical standards. As a result, the specifications in this document are subject to change without notice.



**Laboratory Fiber  
Amplifiers and Lasers**

**KEOPSYS**  
KEY OPTICAL SYSTEMS