

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	TYPICAL VALUES	UNIT	NOTES
Saturated Output Power	13 15 18 21 23 25 27	dBm	@Pin=-3dBm
Optical Input Power	from -10 to 0	dBm	
Noise Figure	< 7.5	dB	@Pin=-5dBm
Gain Flatness	< 1.5	dB	For 20dB gain
Polarization Dependent Gain	< 0.5	dB	
Polarization Mode Dispersion	< 1	ps	<0.5ps option available
Return Loss	< -40	dB	
Overshoot/Undershoot	+ / - 1	dB	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)

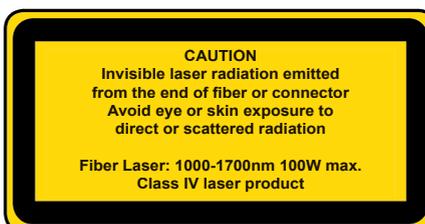
OPTICAL SPECIFICATIONS	TYPICAL VALUES	UNIT	NOTES
Saturated Output Power	13 15 18 21 23	dBm	@Pin=-5dBm
Optical Input Power	from -7 to +3	dBm	
Noise Figure	< 7.5	dB	@Pin=-5dBm
Gain Flatness	< 2.0	dB	For 20dB gain
Polarization Extinction Ratio	> 20	dB	
Return Loss	< -40	dB	

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
GENERAL			
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

