High Power Polarization Maintaining C-Band Pre-Amplified Booster EDFA

KPS-BT2-C-PM-HPFA Series

The VSP® Technology offers superior performance in Polarization Maintaining amplifiers such as a high Polarization Extinction Ratio (PER) combined with a high output power.

Features

- Saturated output power from 21 to 37dBm
- Bandwidth 1535nm-1565nm
- Noise figure < 6.5dB
- ACC and APC modes
- GPIB and RS232 interfaces
- High Polarization Extinction Ratio (>20dB)
- Input and output photodiodes (optional)

Applications

Test and measurement
High speed transmission
Wide band PM transmitter subsystems
Solitons
Sensor applications
LIDAR
Coherent detection

ORDERING INFORMATION

KPS-BT2-C-xx-PM-PB-FA

xx=Output power in dBm

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

OPTICAL SPECIFICATIONS	TYPICAL VALUES	UNIT	NOTES
Bandwidth	1535-1565	nm	1540-1570nm (37dBm)
Saturated Output Power	21 23 25 27 30 33 37	dBm	@Pin=-3dBm
Optical Input Power	from -15 to 0	dBm	
Noise Figure	< 6.5 <7 <8 <9	dB	@Pin=-10dBm at 1550nm
Small Signal Gain	> 25 >30 >35	dB	@Pin=-30dBm at 1550nm
Polarization Extinction Rati	> 20	dB	@Pin=-3dBm; >23dB option
Return Loss	< -40	dB	

High Power PM C-Band Booster EDFA

KPS-BT2-C-PM-HPFB Series

Economical Polarization Maintaining high power boosters. The ideal choice to amplify linearly polarized signal above 0dBm.

Features

- Saturated output power from 21 to 33dBm
- Bandwidth 1535nm-1565nm
- Input and output photodiodes
- ACC and APC modes
- GPIB and RS232 interfaces
- High Polarization Extinction Ration (>20dB)

Applications

High speed transmission
Test and measurement
Wide band PM transmitter subsystems

ORDERING INFORMATION

KPS-BT2-C-xx-PM-BO-FA

xx=Output power in dBm

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

OPTICAL SPECIFICATIONS	TYPICAL VALUES	UNIT	NOTES
Bandwidth	1535-1565	nm	
Saturated Output Power	21 23 25 27 30 33	dBm	@Pin=+3dBm
Optical Input Power	from 0 to +15	dBm	
Noise Figure	< 8 <9 <9	dB	@Pin=+3dBm at 1550nm
Polarization Extinction Ratio	> 20	dB	@Pin=+3dBm; >23dB option
Return Loss	< -40	dB	

Laboratory Fiber Amplifiers and Lasers

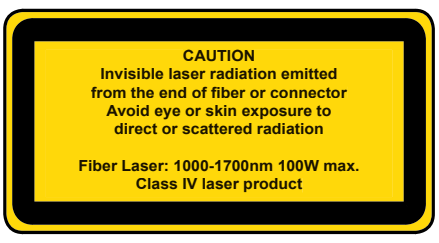
KEOPSYS
KEY OPTICAL SYSTEMS

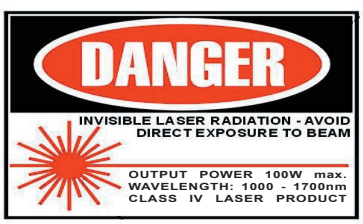
BENCHTOP GENERAL SPECIFICATIONS

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

KEOPSYS
KEY OPTICAL SYSTEMS