

Short Pulse High Peak Power C-Band Fiber Amplifier



KPS-BT2-C-SP Series

User-friendly designs which can be tailored to optimize a combination of specific features for custom applications (i.e. very high peak power combined with a low distortion pulse shape at different input pulse width and input average power).

Features

- Average output power up to 33dBm
- 0.3ps to 10ps pulse length range
- 10MHz to 100GHz pulse repetition frequency
- Input level range from -15dBm to 0dBm
- Automatic Current Control (ACC)
- GPIB and RS-232 interface
- Rack-mountable Benchtop

Applications

- Non-linear optics
- High speed transmission systems
- Damage threshold testing
- Gated viewing

OPTICAL SPECIFICATIONS	TYPICAL VALUES	UNIT	NOTES
Peak Power	up to 5	kW	at Pin = 0dBm distortion free
Mode of Operation	Pulsed		
Operating Wavelength Range	1535 - 1565	nm	
Repetition Rate	From 0.01 to 100	GHz	
Pulse Width	From 0.3 to 10	ps	
Average Output Power	From 15 to 33	dBm	at Pin=0dBm
Noise Figure	<6.5	dB	
Polarization of Output Signal	Random		
Output Power Stability	<5	%	Over 8h at 25°C
Polarization Dependant Gain	< 0.5	dB	
Polarization Mode Dispersion	< 0.2	ps	
Small signal gain	> 40	dB	
Optical isolation	> 30	dB	
Return Loss	< -40	dB	

Benchtop

ELECTRICAL	TYPICAL VALUES	UNIT	NOTES
AC Voltage	85-264	V	
Power consumption	≤ 100	W	
GENERAL			
Operating Temperature	+15 / +35	°C	
Storage Temperature	-20 / +55	°C	
Size	88 x 448 x 446	mm	

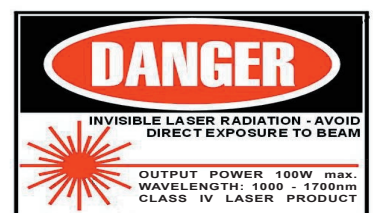
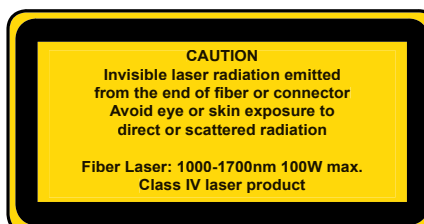
ORDERING INFORMATION

KPS-BT2-C-xx-SP-FA

xxx=Output power in dBm
FA=FC/APC
(other connectors available upon request)

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.



Scientific, Industrial and Military Fiber Light Sources

