

Raman OEM Fiber Lasers



KPS-OEM-RFL Series

Opening new applications in the telecommunications field. Used as a powerful pumping source of remote gain modules or to provide Raman gain in transmission fibers.

Features

- Fully integrated device
- Non polarized output light
- Power feedback monitoring
- Total output power monitoring
- Highly reliable
- Scalable architecture

Applications

- Distributed DWDM Raman amplification
- Telcordia qualification of passive components
- Remote pumping of EDFA gain blocks
- Pump splitting architecture

ORDERING INFORMATION

KPS-OEM-RFL-yyyx-xx-FA

yyyx = Wavelength
xx = Output power in tenth of Watts

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

OPTICAL SPECIFICATIONS	TYPICAL VALUES	UNIT	NOTES
Standard Wavelengths	1455 or 1480	nm	+ / - 1nm
Output Power	1 2	W	
Linewidth (FWHM)	< 2	nm	
In Band Power (+/-3nm)	> 90	%	95% typical
Polarization State	Random		
Side Mode Suppression Ratio	>10	dB	20dB typical
Output Power Stability	3	%	over 1h at 25°C
Relative Intensity Noise(RIN)	< -110	dB/Hz	between 0 and 1GHz

ELECTRICAL	TYPICAL VALUES	UNIT	NOTES
DC Voltage	5 - 32	V	47-63Hz
Power consumption	40 and 80	W	RFL 1W and RFL 2W

GENERAL	TYPICAL VALUES	UNIT	NOTES
Operating Case Temperature	5 / +60	°C	
Storage Temperature	-40 / +70	°C	
Size	35 x 300 x 200	mm	
Fiber Type	SMF-28		

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.

