



Raman Pump Module

I&Optics' Raman pump Module can combine some PM Raman pump lasers into one same output fiber and optimize the polarization dependent gain of Raman system. The integrated isolators can protect the pump lasers and make the system stable. It features low insertion loss and excellent channel uniformity. It can be used in Raman amplifier, telecom, instruments, testing systems and R&D.

Specification

Parameter	Test Condition	Unit	Value
Port Configuration	-	-	1xN
Nominal Center Wavelength	All Raman Pump Ports	nm	1360~1520nm
Pass Band Wavelength	Port C to Port 1~N	nm	+/-3.0
Max. Pump IL	Port C to Port 1~N	dB	0.7 (1x2), 1.2 (1x3,1x4), 1.6 (1x5,1x6,1x8)
Max. Thermal Stability	-	dB/°C	0.005(N<3), 0.006(N<5), 0.008(N<9)
Min. Directivity	between Port 1~N	dB	50
Min. Return Loss	-	dB	50
Max. Power Handling Rate	Continuous Wave, Total Power	mW	2000 or Specify
Fiber Type	-	-	PM 1550 Panda Fiber or Specify
Max. Fiber Tensile Load	-	N	5
Operating Temperature	-	°C	-5 to 70
Storage Temperature	-	°C	-40 to 85

Above values are for device without connectors. For device with connectors, IL will be 0.3dB higher, ER will be 2dB lower, and return loss will 5dB lower.

Additional depolarizer for any pump laser will add 0.3dB loss.

The default alignment of working polarization and connector key is to slow axis of fiber. Special requirement please call.

Package Dimensions

Detailed Informations and Dimensions Please Contact Us. Customized Design Is Available Upon Request.

Ordering Informations

PMRPM-①-②-③-④-⑤-⑥-⑦

① - Center Wavelength

XXXX - XXXXnm

SSSS - Specify

② - Pump Number

N - Pump Number N

③ - Depolarizer for Single Pump

W - With Depolarizer

N - No Depolarizer

④ - Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

⑤ - Fiber Jacket

B - Bare Fiber

L - 900um Loose Tube

⑥ - Fiber Length

0.8 - 0.8m