

## Special WDM

Special wavelength WDM such as 980/1064nm, 1064/1550nm, 1550/1625nm WDM. Raman Pump Combiner is designed for combining the multiple pumps with different wavelengths for Raman amplifiers.

### Features

- Wavelength on customer request
- Coupling ratio on customer request
- Low excess loss
- High stability and reliability

### Applications

- Fiber sensors
- Optical communication systems
- Testing instruments



### Specifications

Parameter		Special WDM		
Operating wavelength (nm)		980 / 1064	980 / 1064	980 / 1064
Operating bandwidth (nm)		±5	±5	±5
Insertion loss (dB)	P	≤0.3		
	A	≤0.4		
Isolation (dB)	P	≥14	≥18	≥14
	A	≥13	≥17	≥13
PDL (dB)	P	≤0.10		
	A	≤0.15		
Directivity (dB)		≥55		
Operating temperature (°C)		-40 ~ +85		

Parameter	Raman Pump Combiner			
	15~ 20nm		>20nm	
Operating wavelength (nm)	Upon customer request			
Grade	P	A	P	A
Center insertion loss (dB)	≤0.5	≤0.6	≤0.4	≤0.5
Center isolation (dB)	≥14			
Directivity (dB)	≥55			
Operating temperature (°C)	-40 ~ +85			

### Order Guide

Wavelength	Grade	Package Dimension	Fiber Type	Connector Type
980 / 1064	P: P-grade	1:3*60mm	1: 250m bare fiber	0: without connector
1064 / 1550	A: A-grade	2:3*54mm	2: 900m tight buffer fiber	1: FC/ PC 2: FC/UPC 3: FC/APC
1550 / 1625		3:3*40mm		4: SC/PC 5:SC/UPC 6: SC/APC
				7: ST 8: LC 9: MU X: Customized