



## Device Characteristics

Configuration	Port Identification	Fiber Type	Notes
Pump input port	Ports 1-7, excluding 4	105/125 um NA=0.22	
Signal input port	Port 4	PM 10/130 um NA=0.15/0.46	
Output port	Port 8	PM 25/400 um NA=0.10/0.46	

## Optical Performance Specifications

Parameters	Min.	Typ.	Max.	Units	PDR	Notes
Operating wavelength	1980		2020	nm		
Operating wavelength - Pump	800		1000	nm		
Maximum insertion loss - Signal			0.6	dB	Yes	1,2
Maximum insertion loss - Pump			0.3	dB	Yes	1,3
Optical return loss - Pump	45			dB		1,3
Polarization extinction ratio	15			dB	Yes	1,2,4

## Mechanical and Environmental Specifications

Parameters	Value	Notes
Power handling - Pump	100 W/port	5
Power handling - signal	10W	
Maximum reverse pump light	10 W	
Dimensions	60.0mm x 12.0mm x 6.5mm	
Pigtail length	> 1000mm on all ports	6

## Note(s)

- [1] Parameters are specified at room temperature
- [2] Underfilled condition
- [3] Designed to be used at NA=0.17 (95% of energy within NA=0.15)
- [4] Tested at 1550nm
- [5] Heatsinking is required, see application note on website
- [6] For safe handling of DCF fiber, see application note on website

This part is considered under development  
 Specification subject to change without notice.  
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