



Device Characteristics

Configuration	Port Identification	Fiber Type	Notes
Pump input port	Ports 1-19, excluding 10	106.5/125 um NA=0.22	
Signal input port	Port 10	10/125 um NA=0.08/0.46	
Output port	Port 20	20/400 um NA=0.06/0.46	

Optical Performance Specifications

Parameters	Min.	Typ.	Max.	Units	PDR	Notes
Operating wavelength - Signal	1040		1080	nm		
Operating wavelength - Pump	800		1000	nm		
Maximum insertion loss - Signal			1	dB	Yes	1,2
Average insertion loss - Pump			0.1	dB	Yes	1,3
Optical return loss - Pump	45			dB		1,3

Mechanical and Environmental Specifications

Parameters	Value	Notes
Power handling	140 W/port	4
Maximum reverse pump light	10 W	
Dimensions	60.0mm x 12.0mm x 6.5mm	
Pigtail length	> 1.0m on all ports	5

Note(s)

- [1] Parameters are specified at room temperature
- [2] Total core loss
- [3] Designed to be used at NA=0.17 (95% of energy within NA=0.15)
- [4] Heatsinking is required, see application note on website
- [5] 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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