



## PRODUCT SPECIFICATIONS

### 7X1 Fiber Laser Combiner

#### 1.0 Device Characteristics

This component is designed to combine the outputs of several fiber lasers into a single multimode delivery fiber. Other fibers and configurations available on request.

Configuration	Port identification	Fiber type	Notes
1.1 Pump input ports	Ports 1-7	10/125 um NA=0.08/0.46	
1.2 Output port	Port 8	105/125 um NA=0.22	

#### 2.0 Optical Performance Specification

Parameters	Min.	Typ.	Max.	Units	Tested	Notes
2.1 Operating wavelength	1040		1080	nm		
2.2 Maximum Insertion loss			0.3	dB	*	1
2.3 Optical return loss	45			dB		1

#### 3.0 Mechanical and Environmental Specifications

Parameters	Value	Notes
3.1 Power handling - Input core light	100 W/ port	2
3.2 Power handling - Input cladding light	TBD	3
3.4 Dimensions	60.0mm x 12.0mm x 6.5mm	
3.5 Pigtail length	> 1000mm on all ports	4

[1] Parameters are specified at room temperature

[2] Heatsinking is required, see application note on website

[3] External pump strippers may be added if significant cladding borne light needs to be stripped

[4] For safe handling of DCF fiber, see application note on website

Specification subject to change without notice.

Made in Canada.

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ISO 9001:2008

**This Product is**  
**ROHS**  
**Compliant**  
EU Directive 2002/95/EC



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