

FINAL INSPECTION REPORT

Pump and Signal Combiner

Item #: PC1060H1
SN: T048204

Port Configuration : (2+1)x1
Signal Wavelength Range : 1040 - 1080 nm
Pump Wavelength Range : 800 - 1100 nm
Maximum Power Level/Pump Port ^a: 50 W

Test Data ^b	
Pump Input 1 (Red) ^c	
Pump Transmission Efficiency	97.1 %
Pump Input 2 (Blue) ^c	
Pump Transmission Efficiency	97.1 %
Signal Port ^d	
Insertion Loss ^e	≤ 0.09 dB

Fiber Specifications			
	Pump	Signal Input	Output
Type	MM-S105/125-22A	SM-GDF-5/130	SM-GDF-5/130
Core Diameter	105 μm	5 μm	5 μm
Cladding Diameter	125 μm	130 μm	130 μm
Core NA	0.22	0.12	0.12
Cladding NA		0.46	0.46

a. Specifies the maximum power allowed through the component. Good thermal contact to an appropriately sized heat sink is required for operation at high optical powers. Performance and reliability under high power conditions must be determined within the user's setup.

b. All values are measured at room temperature.

c. Measured at 976 nm.

d. Measured at 1064 nm.

e. Insertion loss is defined as the ratio of the input optical power to the output optical power of the fundamental mode.

Verified by: _____