

980/1064nm 980/1030nm 980/1040nm Fused WDM Coupler (WDMC) (PMWDMC)



Specifications

Parameters	Unit	Values	
Center Wavelength ^[1]	nm	980/1064; 980/1030; 980/1040	
Operating Wavelength Bandwidth	nm	±15	
Grade	dB	P	A
Insertion Loss (IL) ^[2]	dB	≤0.3	≤0.4
Isolation (IS) ^[3]	dB	≥15	≥13
PDL for SMF	dB	≤0.10	≤0.15
PER for PMF	dB	≥18	≥18
Fiber Type	-	HI1060 or HI1060Flex, PM980, PM1060L	
Return Loss (RL) ^[4]	dB	≥50	
Cross Talk (CR) ^[5]	dB	≥50	
Max Power Handling CW ^[6]	W	1W (with connector), 4W (spliced)	
Operating Temperature	℃	-20 ~ +70	
Storage Temperature	℃	-40 ~ +85	

^[1] Center Wavelength can be customized.

^[2] Test at room temperature without connectors. With connectors, IL+0.3dB, RL-5dB, PER-2dB.

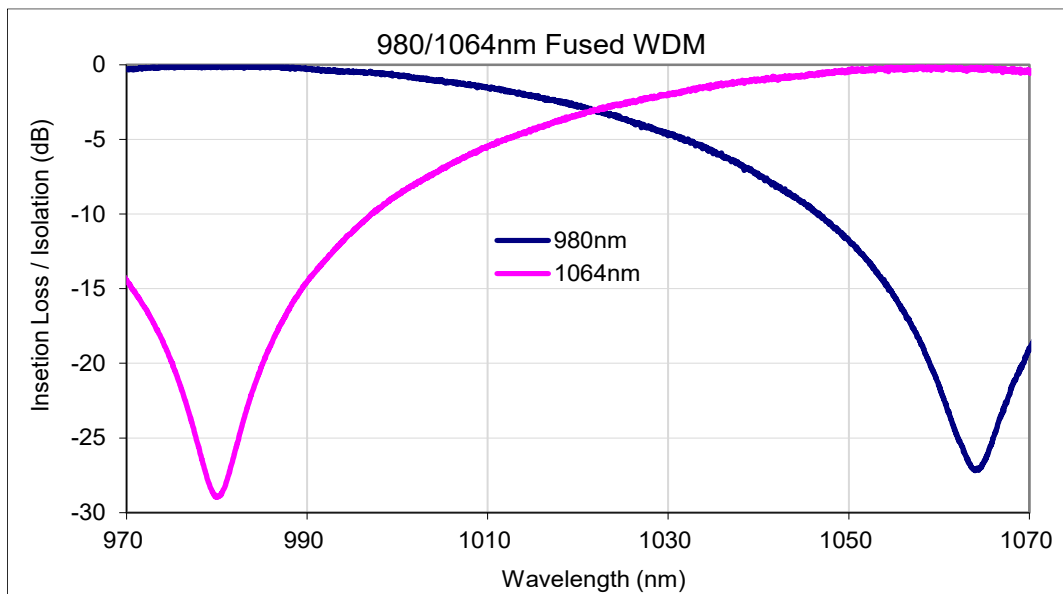
^[3] Test at center wavelength.

^[4] When test RL, coil all other port fibers 3-5 turns around a 10-30mm diameter loop, this prevents back reflections into test port, which would significantly lower RL.

^[5] $CR = 10 * \log_{10} (P_{port \lambda 1} + P_{port \lambda 2})$, P=power in mW, test wavelength can be either wavelength of the two, port $\lambda 2$ used as input port.

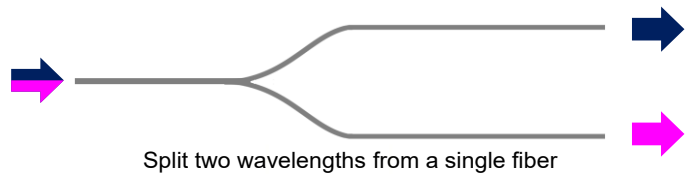
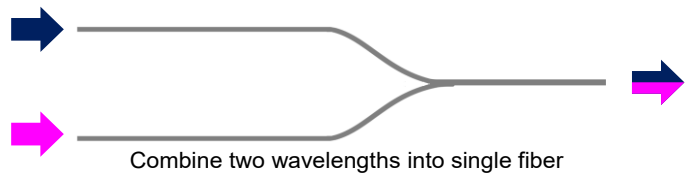
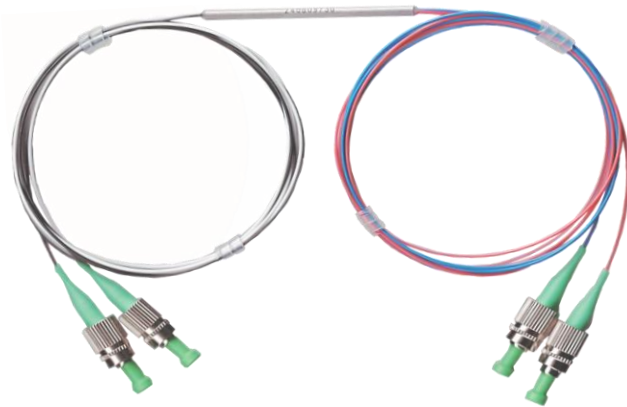
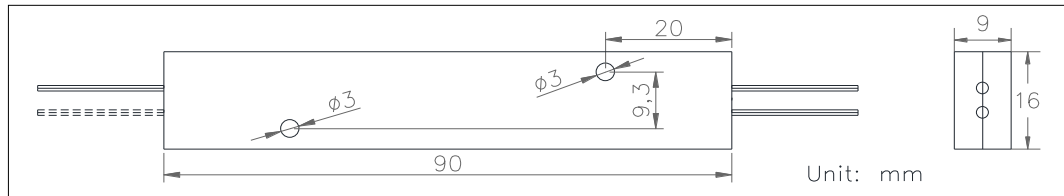
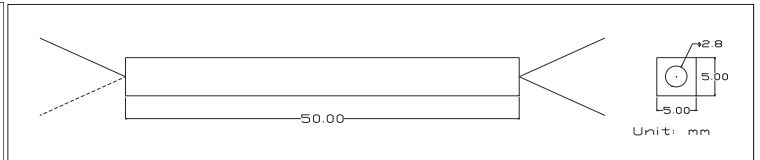
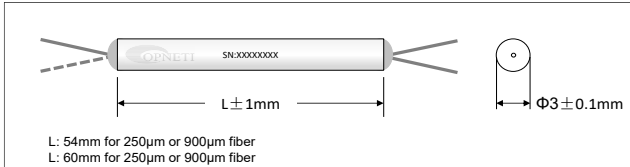
^[6] Max power is for total power of longer wavelength+shorter wavelength. Higher power available on request.

Typical Spectrum



Package Information

Port Configuration	1x2 or 2x2		
Fiber Length	1m, others on request		
Pigtail Type	250µm Bare Fiber	900µm Loose Tube	2mm/3mm Loose Cable
Dimensions(mm)	φ3x54, φ3x60, 5x5x50	φ3x54, φ3x60	90x16x9
Approx Weight (g)	44/45/55	45	60



Bidirectional

Ordering Information

WDMC- ①-②②②②②②②②②③③③④④④⑤⑥⑦⑦⑧⑧⑧⑧
PMWDMC-

①	Grade	P=Grade P; A=Grade A;
②	Wavelength	980/1064; 980/1030; 980/1040;
③	Port	1x2; 2x2;
④	Pigtail Type	250=250µm Fiber; 900=900µm Loose Tube; 2mm=2mm loose tube; 3mm=3mm Loose Tube;
⑤	Fiber Type	4=HI1060; 7X=HI1060Flex; PM98=PM980; P1L=PM1060L; X=Other;
⑥	Length	1=1m; X=Other;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;
⑧	Package	3x40; 3x54; 5x5x50; 90x16x9;