

780/1064nm Fused Type PM WDM Coupler (PMWDMC)

Features

Low Insertion Loss
High Isolation & High ER
Telcordia GR-1221 Compliant
Both Axis Working

Application

PMF Amplifier
Testing Equipment
Fiber Laser
Monitoring in Coherent System

Specifications



Parameters	Unit	780/1064	
Center Wavelength ^[1]	nm	780	1064
Operating Wavelength Bandwidth	nm	±5	±5
Max Insertion Loss (IL) ^[2]	dB	0.8	0.6
Min Isolation (IS) ^[3]	dB	15	17
Polarization Extinction Ratio (PER)	dB	18	18
Fiber Type		PM850	PM850
Fiber Type at Com Port		PM850	
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	°C	-40 ~ +85	
Storage Temperature	°C	-40 ~ +85	

^[1] Center Wavelength can be customized.

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

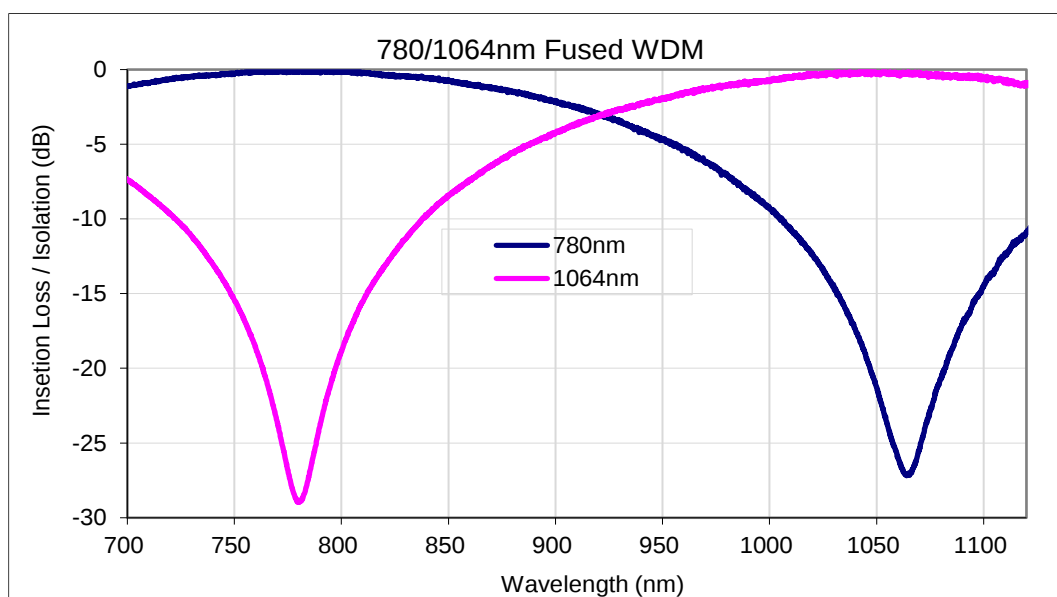
^[3] Test at center wavelength.

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

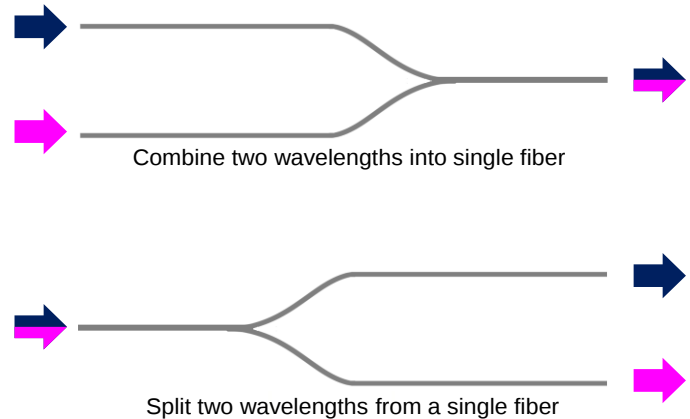
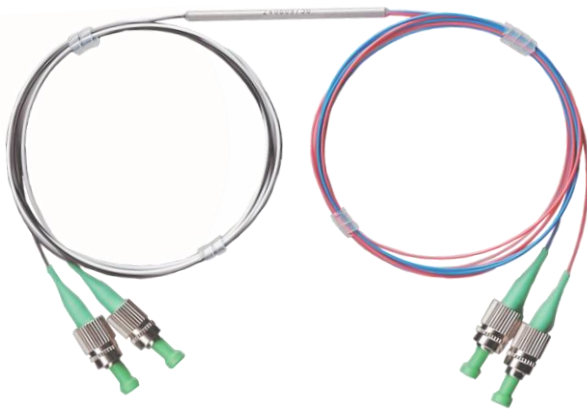
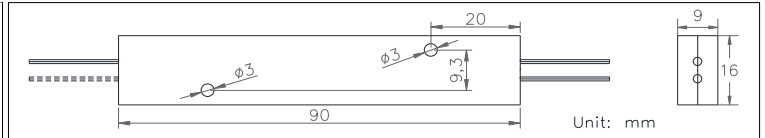
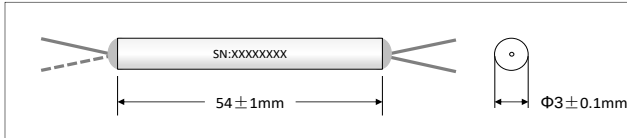
^[6] Max power is for total power of longer wavelength+shorter wavelength. Higher power available on request.

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	φ3x54	90x16x9
Approx Weight (g)	30	45	60



Bidirectional

Ordering Information

PMWDMC- ①①①-②②②②②②②②-③③③-④④④④-⑤-⑥⑥-⑦⑦⑦⑦

①	Port Type	1x2; 2x2;
②	Wavelength	780/1064;
③	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube; 2000=2mm Loose Cable; 3000=3mm Loose Cable;
④	Fiber Type	P85=PM850 Fiber;
⑤	Fiber Length	1=1m; XX=other;
⑥	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;
⑦	Package	3x54; 90x16x9;