

1x3 Fused PM Fiber Standard Coupler

Product Features

- Low Excess Loss
- High Extinction Ratio, Telcordia GR-1221 Compliant Test
- High Power Handling, Available for Slow or Fast Axis Operation

Product Applications

- Optical Amplifier
- Power Monitoring
- Coherent Communication

Specifications

Parameters	Unit	Grade P	Grade A	Grade P	Grade A
Port Configuration		1x3			
Operating Wavelength	nm	433, 589, 633, 780, 830, 980, 1064		1310, 1480, 1550, 1950, 2000, 2050, 2100	
Operating Bandwidth	nm	±15			
Excess Loss	dB	≤0.8 (Typ. 0.6)	≤1.0 (Typ. 0.8)	≤0.6 (Typ. 0.3)	≤0.5 (Typ. 0.8)
Splitting Ratio Tolerance	%	≤±7	≤±8	≤±5	≤±5
Polarization Extinction Ratio	dB	≥17	≥15	≥18	≥16
Power Handling	W	≤2			
Operating Temperature	°C	-40 ~ +85			
Storage Temperature	°C	-40 ~ +85			

Splitting Ratio Tolerance

Splitting Ratio	Grade P		Grade A	
	Throught Port	Coupling Port	Throught Port	Coupling Port
5:90:5	±2.5	±1.5	±3.0	±1.8
10:80:10	±2.8	±1.6	±3.2	±2.0
15:70:15	±3.0	±1.8	±3.5	±2.4
20:60:20	±3.3	±2.0	±3.7	±2.5
25:50:25	±3.5	±2.4	±4.0	±3.0
30:40:30	±4.0	±3.0	±5.0	±4.0
33:33:33	±6.0	±6.0	±8.0	±8.0
35:30:35	±4.0	±5.0	±5.0	±6.0
40:20:40	±5.0	±6.0	±6.0	±7.0

Package Information

Configuration	1x3		
Fiber Length	0.8m, others on request		
Fiber Type	Panda Fiber		
Pigtail Type	250µm Bare Fiber	900µm Loose Tube	900µm/2mm/3mm Loose Tube
Dimensions(mm)	φ3x54	φ4.0×75	90×16×9

Ordering Information

①	Type	PI=Polarization Insensitive;
②	Grade	P=Grade P; A=Grade A;
③	Port Type	1x3;
④	Wavelength	433; 589; 633; 780; 830; 980; 1064; 1310; 1480; 1550,1950; 2000; 2050; 2100;
⑤	Coupling Ratio	EVEN; 5:90:5; 10:80:10; ...; 40:20:40;
⑥	Pigtail Type	250=250um Bare Fiber; 900=900um Loose Tube;
⑦	Fiber Type	5=PM Fiber;
⑧	Length	1=1m;
⑨	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC;
⑩	Package	3x54; 4x75; 90x16x9;