

1x2(2x2)All band Coupler

Features

- ❖ Low Excess loss
- ❖ High Power Handling
- ❖ Low PDL
- ❖ High stability and reliability

Application

- ❖ Optical Amplifier
- ❖ Power Monitoring
- ❖ Coherent Communication
- ❖ Fiber Gyroscope

Performance Specifications

Parameters	Grade P	Grade A
Operating Wavelength(nm)	1260-1620	
Operating Bandwidth(nm)	+/-40	
Typcal Excess Loss(dB)	≤0.07	≤0.1
PDL(dB)	≤0.15	≤0.2
Return Loss(dB)	≥50	
Directivity(dB)	≥50	
Max Optical Power(mW)	≤500	
Operating Temperature(°C)	-40~+85	
Storage Temperature(°C)	-40~+85	
Splitting Ratio Tolerance		
Splitting Ratio	Insertion Loss(dB)	
50/50	≤3.8	≤4.0
45/55	≤4.45/3.45	≤4.65/3.65
40/60	≤5.1/3.1	≤5.3/3.3
35/65	≤5.7/2.7	≤5.95/2.90
33/67	≤6.0/2.55	≤6.25/2.75
30/70	≤6.4/2.3	≤6.7/2.5
25/75	≤7.4/2.0	≤7.65/2.2
20/80	≤8.3/1.7	≤8.8/1.8
15/85	≤9.9/1.4	≤10.1/1.50
10/90	9.10~11.10/≤1.15	8.65~11.50/≤1.25
5/95	11.90~14.30/≤0.80	11.40~14.80/≤0.90
3/97	13.85~16.75/≤0.75	13.30~17.35/≤0.85
2/98	15.45~18.75/≤0.70	14.75~19.40/≤0.80
1/99	18.25~21.95/≤0.65	17.50~22.70/≤0.75

*Notes: 1.Insertion Loss tested without connector.

2.Insertion Loss around 1380nm (water peak) is counted in the specifications above