

## Single Mode Wide Band Coupler

### Specifications

Parameters		Unit	Grade P	Grade A
Operating Wavelength		nm	1310 or 1550 or 1580	
Operating Bandwidth		nm	±40	
Typical Excess Loss		dB	0.07	0.10
Insertion Loss	50/50	dB	≤3.4	≤3.6
	40/60	dB	≤4.4/2.6	≤4.7/2.8
	30/70	dB	≤5.7/1.9	≤6.0/2.0
	20/80	dB	≤7.6/1.25	≤8.0/1.3
	10/90	dB	≤11.0/0.65	≤11.5/0.8
	5/95	dB	≤14.2/0.4	≤14.8/0.5
	2/98	dB	≤18.5/0.25	≤19.0/0.35
	1/99	dB	≤21.5/0.2	≤22.0/0.3
PDL		dB	≤0.10	≤0.15
Return Loss		dB	≥50	
Directivity		dB	for 1x2 ≥50, ≥60 on request for 2x2, ≥60	
Operating Temperature		°C	-40 ~ +85	
Storage Temperature		°C	-40 ~ +85	

### Package Information

Configuration	1x2 or 2x2
Fiber Length	1m, others on request
Fiber Type	SMF-28e

### Ordering Information

CP- ①-②-③③③-④④④④-⑤⑤⑤⑤-⑥⑥⑥-⑦-⑧-⑨⑨-⑩⑩⑩⑩

①	Type	W=Wide band coupler;
②	Grade	P=Grade P; A=Grade A;
③	Port Type	1x2; 2x2;
④	Wavelength	1310; 1550; 1580;
⑤	Coupling Ratio	1/99; 2/98; 3/97; .....; 50/50;
⑥	Pigtail Type	250=250µm Fiber; 900=900µm Loose Tube; 2mm=2mm loose tube; 3mm=3mm Loose Tube;
⑦	Fiber Type	1=SMF-28e;
⑧	Length	1= 1m; X=Other;
⑨	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;
⑩	Package	3x40; 3x56; 90x16x9;