

## Ultra-Low Splitting Ratio Coupler

### Specifications

Grade		P	A
Parameters	Unit	Values	
Operating Wavelength	nm	780, 850, 980, 1064, 1310, 1550, 1570, 1625, 2000	
Operating Bandwidth	nm	±20	
Insertion Loss for Through Port	dB	≤0.15	
Insertion Loss for 0.1% Tap Port	dB	30±3	30±4
Insertion Loss for 0.01% Tap Port	dB	40±4	40±5
Insertion Loss for 0.001% Tap Port	dB	50±5	50±6
Excess Loss	dB	0.05 (Typ.)	
Return Loss	dB	≥50( for 1x2), ≥60( for 2x2),	
Directivity	dB	≥55	
Power Handling (CW)	mW	0.5, 1, 3, 5	
Operating Temperature	°C	-40 ~ +85	
Storage Temperature	°C	-50 ~ +85	

### Package Information

Configuration	1x2 or 2x2		
Fiber Length	1m, others on request		
Fiber Type	SMF-28e, HI 780, HI 1060 or Others		
Pigtail Type	250µm Bare Fiber	900µm Loose Tube	900µm/2mm/3mm Loose Tube
Dimensions(mm)	φ3.0x35, φ3.0x40, φ3.0x54	φ3.0x56, φ3.0x70	90x16x9

### Ordering Information

CP- ①-②-③③③-④④④④-⑤⑤⑤⑤-⑥⑥⑥-⑦-⑧-⑨⑨-⑩⑩⑩⑩

②	Type	UL=Ultra-Low Ratio;
③	Grade	P=Grade P; A=Grade A;
⑤	Port Type	1x2; 2x2;
⑥	Wavelength	780; 850; 980; ...; 2000;
⑦	Coupling Ratio	0.1/99.9; 0.01/99.99; 0.001/99.999;
⑧	Pigtail Type	250=250µm Fiber; 900=900µm Loose Tube; 2mm=2mm loose tube; 3mm=3mm Loose Tube;
⑨	Fiber Type	1=SMF-28e; HI780=HI780; HI1060=HI1060;
⑩	Length	1= 1m; X=Other;
⑪	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;
⑫	Package	3x35; 3x40; 3x54; 3x70; 90x16x9;