

## Special Wavelength SMF Coupler

### Features of our coupler:

- Low Insertion loss
- Free couple ratio

### Applications for our coupler:

- Optical instruments
- EDFA system

### Specifications:

Parameter	Unit	Value
Operating wavelength	nm	980+/-40 or 1480+/-40 or 1590+/-40
Split ratio		1/99 ~ 50/50
Fiber type		Corning SMF-28
Return loss	dB	>50
Directivity	dB	>55
PDL	dB	<0.10
TDL	dB	<0.1
Operating temperature	°C	-10~+70
Storage temperature	°C	-40~+85

Insertion Loss		
Split Ratio	Tap	Signal
1/99	18.2~21.0	<=0.20
3/97	14.4~16.4	<=0.30
5/95	12.2~14.0	<=0.35
10/90	9.40~11.0	<=0.60
20/80	6.30~7.80	<=1.15
30/70	4.60~5.75	<=1.75
40/60	3.85~4.40	<=2.50

50/50	2.70~3.40
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**Package Dimension:**

	A	B	C	D	E
Package dimension (mm)	Diam. 3x52	Diam. 3.5x65	100x18x9.2	112x80x10.6	130x90x15
Installation dimension (mm)			65x12x4 Diam. 2.4	102x72x4 Diam. 2.4	124x84x4 Diam. 3.5
Box	SST tube	SST tube	Plastic box	Plastic Box	Metal Box

**Ordering Information:**

- Port: 1x2, 2x2, low reflection
- Wavelength: 980nm, 1480nm, 1590nm
- Couple ratio: 1:99, 2:98, 50:50
- Input/output: adapter, 1m fiber
- Fiber length: 250um, 900um
- Connector: FC/PC, FC/APC, SC/PC, SC/APC, customer request

**We have unbeatable price for this product.**

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing [sales2@o-eland.com](mailto:sales2@o-eland.com)