

## Special Wavelength Coupler



Special wavelength single mode fiber couplers (980nm, 1480nm, 1590nm) are manufactured by advanced FBT technology, have excellent performance.

The products meet the Telcordia GR-1221-CORE.

### Features

Low excellent

Free coupler ratio

### Applications

Optical instruments

EDFA

### Specifications

Parameter	Unit	Value
Operating Wavelength	nm	980±40or1480±40or1590±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	℃	-10 ~ +70
Storage Temperature	℃	-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	

\*All insertion loss don't include connector, PDL and TDL.

### Package and Installation Dimension

	A	B	C	D	E
Package Dimension(mm)	Φ3×52	Φ3.5×65 *	100×18×9	112×80×10.5	130×80×10.5
Installation Dimension(mm)			65×11×2Φ3.2	102×72×2Φ3.2	122×82×2Φ3.2
Box	SST Tube	SST Tube	Plastic Box	Plastic Box	Metal Box

\*Type B: You'd better select it when the output fiber is Φ0.9mm.