

Single Mode Fiber Coupler - 840/1060

Single Mode Fiber Coupler is used to split or combine signals between two fibers. Using fused biconical taper technology, the device is designed and manufactured to meet Bellcore GR-1209-CORE requirements.



Features

- Low Excess Loss
- Accurate Performance
- High Stability
- Excellent Reliability

Applications

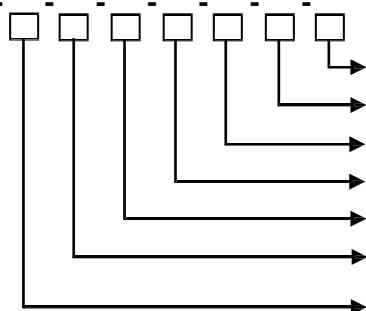
- OCT System
- Optical Instrument
- Test Equipment

Specifications

Item	Unit		Specifications			
Center Wavelength	nm		840		1060	
Operating Bandwidth	nm		±15		±40	
Grade	/		P	A	P	A
Excess Loss	dB		≒0.20	≒0.40	≒0.20	≒0.30
	/	Ratio				
Insertion Loss	dB	55/45	≒2.90/3.80	≒3.10/4.00	≒2.90/3.80	≒3.00/3.90
		60/40	≒2.60/4.40	≒2.80/4.60	≒2.60/4.40	≒2.70/4.50
		70/30	≒1.80/5.60	≒2.00/5.80	≒1.80/5.60	≒1.90/5.70
		80/20	≒1.30/7.50	≒1.50/7.70	≒1.30/7.50	≒1.40/7.60
		90/10	≒0.80/10.8	≒0.90/10.9	≒0.80/10.8	≒0.90/10.9
		95/05	≒13.6/0.40	≒13.8/0.50	≒13.6/0.40	≒13.7/0.50
		99/01	≒20.8/0.25	≒21.0/0.30	≒20.8/0.25	≒20.9/0.30
		50/50	≒3.40	≒3.60	≒3.40	≒3.50
Uniformity (For 50/50)	dB	/	≒0.50	≒0.80	≒0.50	≒0.80
PDL	dB	/	≒0.10	≒0.15	≒0.10	≒0.15
Directivity	dB	/	≒55	≒55	≒55	≒55
Fiber Type	/	/	Corning Hi 780		Corning Hi 1060	
Operating Temperature	℃	/	0 to +70			
Storage Temperature	℃	/	-40 to +85			

Ordering Information

SMC-



- Coupling Ratio: Customer Specified
- Connectors Type: FC/APC, FC/UPC, SC/APC, SC/UPC or others
- Fiber Length (Unit: M)
- Cable Type: 025:Φ0.25mm, 09:Φ0.9mm
- Grade: P: Premium, A: Grade A
- Wavelength: 840:840nm, 106:1060nm
- Type: 1:1×2, 2:2×2