

980nm or 1064nm Single Mode Standard Couplers

Product Features

- Low insertion loss
- High return loss
- High stability and reliability

Product Applications

- Fiber communication on system test Test
- Optical passive component test
- Optics lab use

Grade	A/P									
Parameter										
Operating Wavelength(nm)	980 or 1060									
Bandwidth (nm)	A : ± 10					P : ± 40				
Excess Loss(dB)	≤ 0.10					≤ 0.15				
Coupling Ratio(%)	10/90	20/80	30/70	40/60	50/50	10/90	20/80	30/70	40/60	50/50
Max. Insertion Loss (dB)	11.0/0.7	7.7/1.3	5.8/2.0	4.5/2.7	3.4	11.2/0.8	8.0/1.5	6.0/2.2	4.8/3.0	3.5
Polarization Dependent Loss (dB)	0.10/0.05	≤ 0.08	≤ 0.08	≤ 0.08	≤ 0.08	0.10/0.05	≤ 0.08	≤ 0.08	≤ 0.08	≤ 0.08
Wavelength Dependent Loss(dB)	0.3/0.08	0.3/0.10	0.3/0.10	0.2	0.2	0.9/0.25	0.8/0.3	0.75/0.30	0.65	0.6
Thermal Stability(dB/ $^{\circ}$ C)	≤ 0.002									
Return Loss (dB)	≥ 50									
Directivity (dB)	1 \times 2	$\geq 50, \geq 60$ on request								
	2 \times 2	≥ 65								

* The above specification is without connector.

** Other specifications can be made on customer request.

Ordering Information

Configuration	1 \times 2 or 2 \times 2		
Lead Type	0: 250um bare fiber	1: 900um loose tube	2: 3mm loose cable (or 2mm)
Package Dimensions (mm)	A: $\varphi 3.0 \times 40$	A: $\varphi 3.0 \times 56$ B: $90 \times 16 \times 9$	B: $90 \times 16 \times 9$ C: $106 \times 79 \times 10$
Operating Temperature ($^{\circ}$ C)	-40 to +85	-20 to +70	-20 to +70



Ordering Information

SC	Configuration	Central Wavelength	Coupling Ratio (%)	Pigtail Type	Fiber Length	Connector
	1X2 2X2	980nm 1064nm Specify	1:99 20:80 40:60 50:50 Specify	250um bare fiber 900um loose tube Specify	0.5m 1m 1.5m 2m Specify	N=None FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify