

850 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

Specifications

Parameter	A/P		
Operating Wavelength(nm)	850		
Bandwidth (nm)	±100		
Coupling Ratio(%)	10/90	20/80	50/50
Max. Insertion Loss (dB)	14.5/0.65	10.5/1.1	7.0
Polarization Dependent Loss (dB)	0.10/0.05	≤0.08	4.5/2.7
分光比偏差 Coupling Ratio Tolerance (%)	≤ ± 6.5%	≤±11%	≤ ± 30%
Thermal Stability(dB/°C)	≤0.002		
Return Loss (dB)	≥50		
Directivity (dB)	1X2	≥50, ≥60on request	
	2X2	≥ 65	

* The above specification is without connector.

** Other specifications can be made on customer request.

Ordering Information

Configuration	1×2 or 2×2		
Lead Type	0: 250um bare fiber	1: 900um loose tube	2: 3mm loose cable (or 2mm)
Package Dimensions (mm)	A:φ3.0×40	A:φ3.0×56 B: 90×16×9	B: 90×16×9 C: 106×79×10
Operating Temperature (°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	750nm 780nm 850nm 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