

Mini 80um Single Mode Wavelength Independent Couplers 50:50

Product Features

- low loss
- low polarization sensitivity
- low wavelength sensitivity
- low fractional light ratio deviation
- Low broadband
- resistance to temperature changes

Product Applications

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

Specifications

Parameter	Value		
Operating Wavelength(nm)	1310nm or 1550nm,others on request		
Bandwidth (nm)	±40		
Package Dimensions(mm)	φ2.5×24mm	φ2.5×20mm	φ2.5×16mm
Excess Loss (dB)	≤ 0.10	≤ 0.12	≤ 0.12
Coupling Ratio(%)	A Grade : ≤±2% P Grade : ≤±1%		A Grade : ≤±2.5% P Grade : ≤±1.5%
Coupling Ratio variation(at-40 to 85 °C)	≤±1%		
Max. Insertion Loss (dB)	3.40		3.50
Wavelength Dependent Loss(dB)	≤0.30		
Polarization Dependent Loss (dB)	A Grade : ≤0.08 P Grade : ≤0.05		
Thermal Stability (dB/°C)	≤0.002		
Return Loss (dB)	1×2≥50 , 2×2≥60		
Directivity (dB)	1×2≥50 , 2×2≥60		
Fiber Type	长飞小模场 80um 细芯径单模光纤 , 模场直径 6um		
Lead length	1 meter, others on request		

* The above specification is without connector.

** Other specifications can be made on customer request.

Ordering Information	
Configuration	1×2 , 2×2
Lead Type	165um bare fiber
Package Dimensions(mm)	φ2.5×24 or φ2.5×20 or φ2.5×16
Operating Temperature(°C)	-40 to +85

Ordering Information						
MINI SC	Configuration	Central Wavelength	Coupling Ratio (%)	Pigtail Type	Fiber Length	Connector
	1X2 2X2	1310nm 1550nm Specify	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