



# 980 or 1060nm High Power Single Mode Wavelength Independent Couplers

## Product Features

- Low insertion loss
- Low polarization sensitivity, Low wavelength sensitivity
- Broadband, Resistance to environmental changes

## Product Applications

- Optical fiber communication system
- CATV, LAN
- Measuring instruments, Optical fiber sensor

## Specifications

Parameter	Value									
Grade	A									
工作波长 Operating Wavelength(nm)	980 or 1060									
带宽 Bandwidth (nm)	±10									
附加损耗 Excess Loss(dB)	≤ 0.06									
耦合比 Coupling Ratio(%)	50/50	40/60	30/70	20/80	10/90	5/95	3/97	2/98	1/99	
最大插入损耗 Max. Insertion Loss (dB)	3.5	4.5/2.7	5.8/2.0	7.7/1.3	11.0/0.7	14.5/0.45	16.5/0.35	18.5/0.3	21.9/0.25	
偏振敏感损耗 Polarization Dependent Loss (dB)	≤0.08	≤0.08	≤0.08	≤0.08	0.10/0.05	0.10/0.05	0.10/0.05	0.10/0.05	0.10/0.05	
波长敏感损耗 Wavelength Dependent Loss(dB)	0.2	0.2	0.3/0.15	0.3/0.15	0.3/0.15	0.4/0.15	0.4/0.15	0.4/0.15	0.4/0.15	
温度稳定性 Thermal Stability(dB/°C)	≤0.002									
回波损耗 Return Loss (dB)	≥50									
方向性 Directivity (dB)	1×2	≥50, ≥60on request								
	2×2	≥ 65								
尾纤类型 Lead Type	250um bare fiber									
尾纤长度 Lead length (m)	1meter, others on request									
最大承受功率 Max power handing(W)	5W or 10W or 20W									
封装尺寸(Package)	5W : φ3.0x35mm orφ3.0x40mm ; 10W~20W : 70 x 12 x 8(mm) aluminum box									
工作温度 Operating Temperature(°C)	-40 to +85									

\* The above specification is without connector.

\*\* Other specifications can be made on customer request.



## Ordering Information

HPC	Configuration	Central Wavelength	Coupling Ratio (%)	Pigtail Type	Fiber Length	Connector
	1X2 2X2	980nm 1060nm 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