



High Power Single Mode Wavelength Independent Couplers 1 × 2, 2 × 2

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									
等级 Grade	A									
工作波长 Operating Wavelength(nm)	1310nm or 1550nm, others on request									
带宽 Bandwidth(nm)	±40									
附加损耗 Excess Loss(dB)	≤ 0.03									
耦合比 Coupling Ratio (%)	10/90	15/85	20/80	25/75	30/70	35/65	40/60	45/55	50/50	
带宽内最大插入损耗 Max. Insertion Loss (dB)	10.8/0.6 5	8.8/0.95	7.5/1.2	6.5/1.5 5	5.6/1.8	5/2.25	4.4/2.5	3.85/2.98	3.4	
波长敏感损耗 Wavelength Dependent Loss(dB)	0.35/0.1	0.35/0.1 5	0.35/0.2	0.35/0.25	0.35/0.3	0.35/0.3	0.35/0.3	0.3	0.3	
偏振敏感损耗 Polarization Dependent Loss (dB)	0.08/0.0 5	0.08/0.0 5	0.08/0.0 5	0.08/0.05	0.08	0.08	0.08	0.08	0.08	0.08
温度稳定性 Thermal Stability (dB/°C)	≤0.002									
回波损耗 Return Loss (dB)	≥50 on request									
方向性 Directivity (dB)	1×2		≥50 , ≥60 on 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 or φ3.0x40mm ; 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	1310nm 1550nm Specify	10:90 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