

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 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 |