

High Power Single Mode Dual Windows 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									
Grade	A/P									
Operating Wavelength (nm)	1310 & 1550									
Bandwidth (nm)	±40									
Excess Loss(dB)	≤ 0.06									
Coupling Ratio (%)	10/90	15/85	20/80	25/75	30/70	35/65	40/60	45/55	50/50	
Max. Insertion Loss (dB)	11.0/0.75	9.2/1.0	7.8/1.3	6.7/1.6	5.9/1.9	5.2/2.3	4.6/2.7	4.0/3.1	3.5	
Wavelength Dependent Loss(dB)	0.60/0.20	0.60/0.20	0.55/0.20	0.55/0.25	0.50/0.25	0.50/0.35	0.50/0.35	0.45/0.35	0.40	
Polarization Dependent Loss (dB)	A: 0.10/0.05 P: 0.08/0.05	A: 0.10/0.08 P: 0.08/0.05	A: 0.10/0.08 P: 0.08/0.05	A: 0.10/0.08 P: 0.08/0.05	A: 0.10/0.08 P: 0.08/0.05	A: 0.10/0.08 P: 0.08/0.05	A: 0.10/0.10 P: 0.08/0.08	A: 0.10/0.10 P: 0.08/0.08	A: 0.10/0.10 P: 0.08/0.08	A: 0.10/0.10 P: 0.08/0.08
Thermal Stability (dB/°C)	≤0.002									
Return Loss (dB)	≥50 on request									
Directivity (dB)	1×2		≥50, ≥60 on request							
	2×2		≥65							
Lead Type	250um bare fiber									
Lead length (m)	1meter, others on request									
Max power handing(W)	5W or 10W or 20W									
(Package)	5W : φ3.0x35mm orφ3.0x40mm ; 10W~20W : 70 x 12 x 8(mm) aluminum box									
Operating Temperature(°C)	-40 to +85									

* The above specification is without connector.

** Other specifications can be made on customer request.

Ordering Information

HPC	Config uration	Central Wavelength	Coupling Ratio (%)	Pigtail Type	Fiber Length	Connector
	1X2 2X2	13/15nm 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