

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								
Operating Wavelength(nm)		980 or 1060								
Bandwidth (nm)		±10								
Excess Loss(dB)		≤ 0.06								
Coupling Ratio(%)		50/50	40/60	30/70	20/80	10/90	5/95	3/97	2/98	1/99
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
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
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
Thermal Stability(dB/℃)		≤0.002								
Return Loss (dB)		≥50								
Directivity (dB)	1×2	≥50, ≥60on 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(℃)		-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