

850/1310/1550nm Monolithic 3X3 Coupler

Product Features

- Low Insertion Loss & PDL
- High stability
- High reliability

Product Applications

- Optical communication systems
- CATV
- HTHH

Specifications

Parameter			
Operating Wavelength(nm)	850	1310 or 1550	1310 or 1550
Structure	Straight line		triangle
Phase angle	-----		120°
Grade	P		P
Bandwidth(nm)	±20		±20
Coupling Ratio (%)	33/33/33		33/33/33
Max. Insertion Loss (dB)	6.0	5.6	6.0
Band Center Uniformity (dB)	≤ 0.6		≤ 1.3
Wavelength Dependent Loss (dB)	±1.0	±0.6	±0.9
Polarization Dependent Loss (dB)	≤ 0.15		
Thermal Stability (dB/°C)	≤ 0.002		
Directivity (dB)	≥ 55		
Return Loss (dB)	≥ 55		
Lead length (m)	1 meter, others on request		
Fiber Type	Corning Hi780	Corning SMF-28	Corning SMF-28

Package Information			
Configuration	3x3		
Lead Type	0: U.V bare fiber	1: 900um loose tube	2: 2mm loose cable
Package Dimensions (mm)	φ 3.0×35 or φ 3.0×40 φ 3.5×35 or φ 3.5×40	φ3.5×56	B: 90×16×9
Operating Temperature (°C)	-40 to +85	-20 to +70	-20 to +70

Ordering Information				
Configuration	Wavelength	Pigtail Type	Fiber Length	Connector
3X3	850nm 1310nm 1550nm 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