



Single Mode Wideband Monolithic 1X5 Couplers

Product Features

- Low insertion loss
- High return loss
- High stability and reliability

Product Applications

- Fiber communication on system test
- Optical passive component test
- Optics lab use

Specifications

Parameter	Value
Operating Wavelength (nm)	1310nm or 1550nm
Bandwidth (nm)	±40
Configuration	1×5
Coupling Ratio (%)	20/20/20/20/20
Excess Loss(dB)	≤0.2
Max. Insertion Loss (dB)	7.8
Uniformity (dB)	≤1.0
Wavelength Dependent Loss (dB)	0.6
Polarization Dependent Loss (dB)	≤0.12
Thermal Stability(dB/°C)	≤0.002
Directivity (dB)	≥50
Return Loss (dB)	≥50
Lead length (m)	1 meter, others on request
Fiber Type	Corning SMF-28e

* The above specification is without connector.

** Other specifications can be made on customer request.

PACKAGE INFORMATION

Configuration	1×5		
Lead Type	bare fiber	900um loose tube	3mm loose cable (or 2mm)
Package Dimensions (mm)	A:φ4.0×40	A:φ4.0×56	C: 106×79×10
Operating Temperature (°C)	-40 to +85	-20 to +70	-20 to +70

Ordering Information

SWM C	Configuration	Central Wavelength	Coupling Ratio (%)	Pigtail Type	Fiber Length	Connector
	1X5	1310nm 1550nm Specify	20: 20:20:20:20 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