

Optizone Single Mode Wideband Monolithic 1x4 Couplers

Features

Wide Bandwidth and Low Insertion
 Low Insertion Loss
 High Quality and Reliability

Applications

Fiber Distribution Network
 CATV Network
 Test Equipment

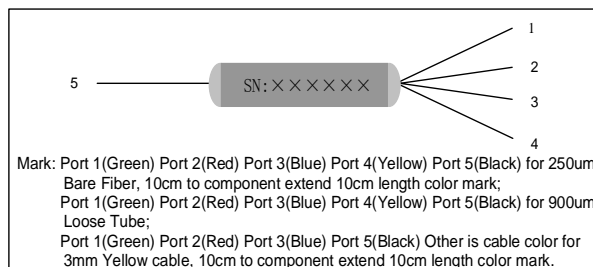
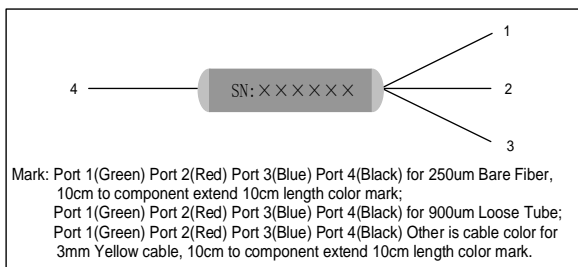
Specifications

Parameters		Unit	Values			
Operating Wavelength		nm	1310 or 1550		1310 and 1550	
Bandwidth		nm	±40			
Port Configuration		nm	1X3	1X4	1X3	1X4
Coupling Ratio		%	33/33/33	25/25/25/25	33/33/33	25/25/25/25
Max. Insertion Loss		dB	5.4	7.0	5.6	7.2
Max. Uniformity		dB	0.8	1.0	1.0	1.2
Max. Wavelength Dependent Loss		dB	0.6	0.6	0.8	1.2
Max. PDL		dB	0.15	0.15	0.20	0.2
Min. Directivity		dB	50			
Min. Return Loss		dB	50			
Max. Optical Power (CW)		MW	500			
Max. Tensile Load		N	5			
Thermal Stability		dB/°C	≤0.0025 over -5 °C to +70 °C			
Operating Temperature		°C	-5 to +70			
Storage Temperature		°C	-40 to +85			
Fiber Type		-	SMF-28e Fiber			
Package Dimensions	250um Bare Fiber	mm	∅3.5x40	∅4.0x40	∅3.5x40	∅4.0x40
	900um Loose Tube		∅3.5x56	∅4.0x56	∅3.5x56	∅4.0x56
	3mm Loose Cable		90X16X9			

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

Package Dimensions



Ordering information

SWMC-①①①①①-②②②②②-③③-④④④④④④-⑤⑤⑤⑤⑤⑤-⑥

①①①①①: Wavelength
 31 - 1310nm
 55 - 1550nm
 3155 -1310 & 1550nm

④④④④④④: Connector Type on All Ports
 1 - FC/UPC
 2 - FC/APC
 3 - SC/UPC
 4 - SC/APC

⑥: Fiber Length
 1 - 1.0m
 S - Specify

②②②②②: Port
 0103 - 1x3
 0104 - 1x4

N - None
 S - Specify

③③: Coupling Ratio
 BA - Balance

⑤⑤⑤⑤⑤⑤: Fiber Jacket on All Ports
 B -250um bare fiber
 L - 900um Loose Tube
 C - 3mm Loose Cable
 S - Specify

