

RC Fiber Single Mode Standard Coupler

Features

High Reliability
 Ultra Low Pump Loss
 Ultra Low PDL
 High Isolation
 Excellent Environmental & Mechanical Stability

Applications

Telecommunications
 Fiber Optical Amplifier
 WDM System
 Fiber Sensors
 Compact Optical Circuits

Specifications

Parameters	Unit	Values
Center Wavelength	nm	1550
Operating Wavelength Range	nm	±20
Coupling Ratio	%	50/50
Max. Insertion Loss	dB	3.6
Max. Excess Loss	dB	0.3
Max. PDL (Tap/Through Port)	dB	0.1
Thermal Stability	dB/°C	≤ 0.002 over -5 °C to +70 °C
Min. Directivity	1X2	50dB
	2X2	60dB
Package Dimensions	250um Bare Fiber	dia. 3.0 mm X 55 mm
	900um Loose Tube	dia. 3.0 mm X 60 mm
Max. Optical Power (CW)	mW	500
Max. Tensile Load	N	5
Fiber Type		RC 1550 Fiber
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

*Above specifications are for device without connector.

Ordering Information

RCSMC-①①-②-③③-④④-⑤⑤-⑥

①①: Wavelength

55 - 1550nm

SS - Specify

②: Port

1 - 1X2

2 - 2X2

③③: Coupling Ratio

50 - 50/50

SS - Specify

④④: Connector Type on Port 1 & 2

N - None

⑤⑤: Fiber Jacket on Port 1 & 2

B - 170um Bare Fiber

L - 900um Loose Tuber

S - Specify

⑥: Fiber Length

1 - 1.0m

S - Specify