



# RC Fiber Single Mode Standard Coupler

(RCSMC series)

The RC Fiber Single Mode Standard Couplers offer very low insertion loss, low polarization dependence and excellent environmental stability. Accurate coupling ratio

from 50/50 to 1/99 are available with very tight uniformity in a wide wavelength range.

These components find extensive application to perform power splitting and monitoring functions in all kinds of optical communication systems required compact optical circuits.



## Specifications

Parameters	Unit	Values
Grade		P
Center Wavelength	nm	1550
Operating Wavelength Range	nm	± 20
Coupling Ratio	%	50/50
Max. Insertion Loss	dB	3.6
Max. PDL(Tap/Through Port)	dB	0.1
Max Excess Loss	dB	0.3
Thermal Stability	dB/°C	≤ 0.002 over -5 °C to +70 °C
Min.Directivity	1X2	50dB
	2X2	60dB
Configuration		1X2 or 2X2
Fiber Type		RC 1550 Fiber or Specify
Package Dimensions		250um bare fiber and dia. 3.0 mm X 55 mm
		900um loose tube and dia. 3.0 mm X 60 mm
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

\*Above specifications are for device without connector

## Ordering Information

**RCSMC-①-②②-③③-④-⑤-⑥-⑦**

①: Port

1 - 1X2

2 - 2X2

④: Grade

P - P grade

S - Specify

⑥: Fiber Type

B - 170um bare fiber

L - 900um loose tube

S - Specify

②②: Wavelength

55 - 1550

SS - Specify

⑤: Connector Type

N - None

⑦: Fiber Length

1 - 1.0m

S - Specify

③③: Coupling Ratio

50- 50/50

SS - Specify