Single Mode
1X2 or 2X2 1064/1550nm Filter Coupler

Specialist in Special Optic Devices

Introduction

RoHS Compliant

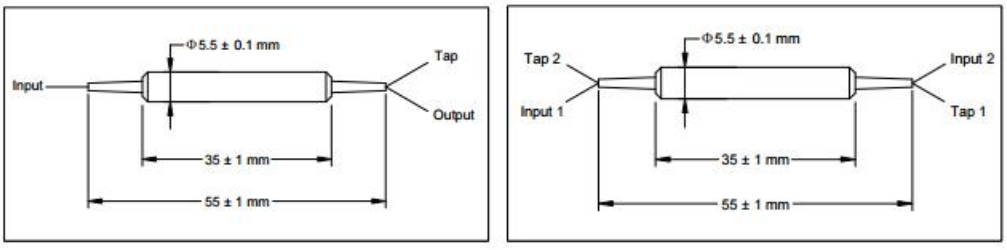
Rayzer's **Single Mode Filter Coupler**, offers very low insertion loss, low polarization dependence, and excellent environmental stability. Accurate coupling ratio from 50/50 to 1/99 are available with very good uniformity in a wide wavelength range. These components find extensive applications to perform power splitting and monitoring functions in all kinds of optical communication systems.

Specification

Parameter	Unit	Values	
Configuration		**1×2**	**2×2**
Center Wavelength (λc)	nm	1064/1550	
Operating Wavelength Range	nm	±20	
Coupling Ratio	%	1/10/20/50	
Typ. Excess Loss	dB	0.6	0.8
Max. Excess Loss	dB	0.7	1
Min Directivity	dB	50	
Min. Return Loss	dB	50	
Max. Average Optical Power	mW	500	
Max. Tensile Load	N	5	
Fiber Type		Hi1060 or SMF28e	
Operating Temperature	℃	-5 to +70	
Storage Temperature	℃	-40 to +85	

*IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

Package Dimension



Ordering Information

SMFC-①-②-③-④-⑤-⑥-⑦-⑧

①Center Wavelength	②Configuration	③Coupling Ratio	④Package Dimension	⑤Fiber Type	⑥Fiber Length	⑦Fiber Jacket	⑧Connector Type
1064-1064	1×2-1×2	1-1/99	5.5*35mm	Hi1060-Hi1060	1-1M	0-Bare Fiber	N-None
1550-1550nm	2×2-2×2	10-10/90	2.5*20mm	SMF28e-SMF28e		1-900μm Loose Tube	FU-FC/UPC
		50-50/50					FA-FC/APC