

# 1064 nm Polarization Maintaining Tap Coupler (GK-PMTC Series)

## ● Description

The Polarization Maintaining Tap Coupler is manufactured by using advanced technology to allow the input signal to be splitted at various ratios with high extinction ratio.

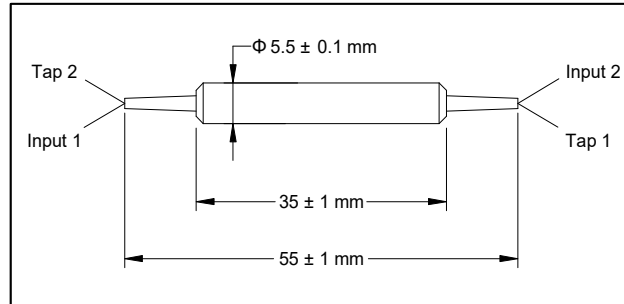
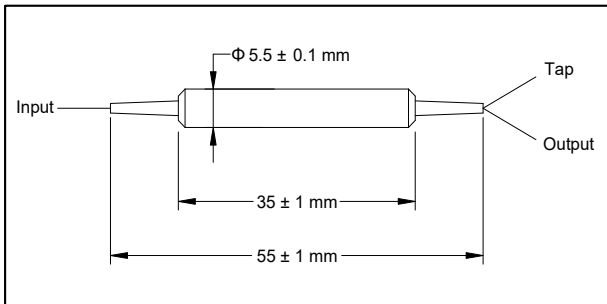
## ● Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1064
Operating Wavelength Range	nm	$\lambda_c \pm 20$
Configuration	-	1 × 2 2 × 2
Max. Excess Loss	dB	0.7 1.1
Max. Uniformity (only for 50%)	dB	0.6 0.8
Tap Ratio	%	1 ± 0.2, 2 ± 0.4, 5 ± 1.0, 10, 50
Min. Return Loss	dB	50
Min. Extinction Ratio	dB	20
Max. Optical Power (Continuous Wave)	mW	300
Max. Tensile Load	N	5
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85
Fiber Type	-	PM 980 Panda Fiber or HI 1060 for Tap Port PM 980 Panda Fiber for input & output Ports

<sup>1</sup>IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

<sup>2</sup>E.L. will be 0.2 dB higher if tap port is HI 1060 Fiber.

## ● Package Dimensions



## ● Ordering Information

GK-PMTC-①-②-③-④-⑤-⑥-⑦-⑧

### ①: Wavelength

06 - 1064 nm  
SS - Specify

### ②: Configuration

1 - 1 × 2  
2 - 2 × 2

### ③: Coupling Ratio

01 - 01/99  
02 - 02/98  
05 - 05/95  
10 - 10/90  
50 - 50/50  
SS - Specify

### ④: Connector Type

1 - FC/UPC  
2 - FC/APC  
3 - SC/UPC  
4 - SC/APC  
N - None  
S - Specify

### ⑤: Fiber Jacket

B - 250 μm Bare Fiber  
L - 900 μm Loose

### ⑥: Fiber Type for Tap Port

H - HI 1060 Fiber  
P - PM 1550 Panda Fiber  
S - Specify

### ⑦: Fiber Length

Q - 0.75 m  
S - Specify

### ⑧: Working Axis

F - Fast axis blocked