



# High Power Polarization Maintaining Tap Isolator (GK-HPMTI Series)

## ● Description

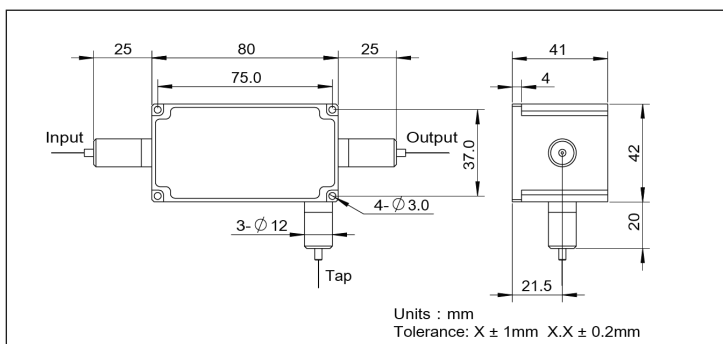
The High Power Polarization Maintaining Tap Isolator is characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

## ● Specifications

Parameter	Unit	Value
Center Wavelength ( $\lambda_c$ )	nm	1030, 1064
Operating Wavelength Range	nm	$\lambda_c \pm 10$
Tap Ratio (Tap IL = $-10 \cdot \log(\text{Tap Ratio}) + \text{E.L}$ )	%	$0.1 \pm 0.05, 1 \pm 0.5, 2 \pm 0.8, 5 \pm 1.0, 10 \pm 2.0$
Min. Extinction Ratio	dB	20
Min. Isolation, $\lambda_c, 23^\circ\text{C}$ , all polarization states	dB	25
Typ. Excess Loss, $23^\circ\text{C}$	dB	0.8
Max. Excess Loss, $23^\circ\text{C}$	dB	1
Min. Return Loss	dB	45/45
Max. Average Optical Power	W	20
Max. Peak Power for ns pulse	kW	10
Max. Tensile Load	N	5
Fiber Type	-	specified by ordering info
Operating Temperature	$^\circ\text{C}$	+ 10 to + 50
Storage Temperature	$^\circ\text{C}$	0 to + 60

<sup>1</sup>Output IL= $-10 \cdot \log(1 - \text{Tap Ratio}) + \text{E.L}$

## ● Package Dimensions



## ● Ordering Information

GK-HPMTI-①-②-③-④-⑤-⑥-⑦-⑧-⑨-⑩

### ①: Wavelength

03 - 1030nm

06 - 1064nm

SS - Specify

### ②: HandlingPower

15 - 15 W

20 - 20 W

SS - Specify

### ③: TapRatio

0.1 - 1/999 05 - 5/95

01 - 1/99 10 - 10/90

02 - 2/98 SS - Specify

### ④: Connector Type

N - None

### ⑤: Fiber Jacket

B - BareFiber

L - 900 μmLooseTube

S - Specify

### ⑥: Fiber Length

Q - 0.75 m

S - Specify

### ⑦: WorkingAxis

F - Fast AxisBlocked

### ⑧: Fiber Type for I&O

1-PM980Fiber

2-NufernFUD-3460

3-NufernPLMA-GDF-20/130 S-Specify

### ⑨: Fiber Type for T

1-PM980Fiber

2-NufernFUD-3460

3-MMF105/125Fiber S-Specify

### ⑩: Power Type

P - PulseApplication

C - ContinuousWave