



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

● Description

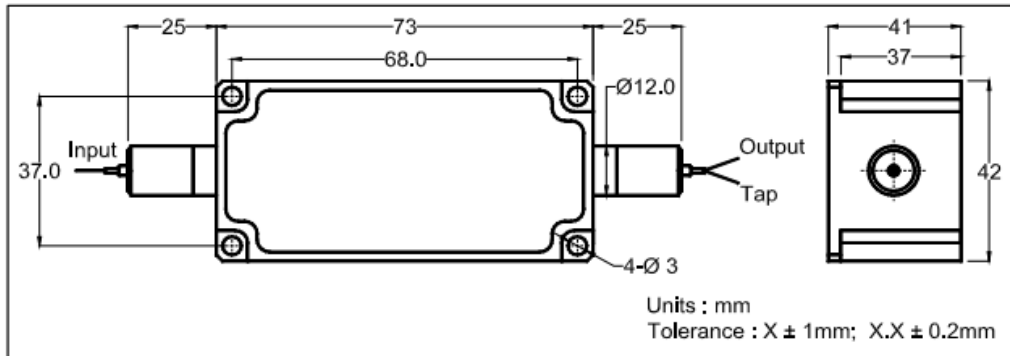
The High Power Polarization Maintaining Tap Isolator is characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

● Specifications

Parameter	Unit	Value
Center Wavelength (λ_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°C	dB	0.8
Max. Excess Loss, 23°C	dB	1
Min. Return Loss (Input/Output)	dB	45/45
Max. Average Optical Power	W	10
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

¹Output 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 - 1030 nm
06 - 1064 nm
SS - Specify

②: Handling Power

05 - 5 W
10 - 10 W
SS - Specify

③: Tap Ratio

01 - 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 - Bare Fiber
L - 900 μm Loose Tube
S - Specify

⑥: Fiber Length

Q - 0.75 m
S - Specify

⑦: Working Axis

F - Fast Axis Blocked

⑧: Fiber Type for I&O

1 - PM 980 Fiber
2 - Nufern FUD-3460
S - Specify

⑨: Fiber Type for T

1 - HI 1060 Fiber
2 - PM 980 Fiber
S - Specify

⑩: Power Type

P - Pulsed
C - Continuous Wave