

High Power Polarization Maintaining Tap Isolator

Features

- Low insertion loss
- High return loss and Isolation
- Excellent environmental stability

Application

- Laboratory investigation
- Fiber laser
- Optical fiber amplifier

Specifications

Parameter	Unit	Value
Center Wavelength	nm	1064 or Specify
Operating Wavelength Range	nm	±10
Typ.Insertion Loss @23 °C	dB	1.7
Max.Insertion Loss @23 °C,and Input 300mw	dB	2.0
Max.Insertion Loss @23 °C,and Input 1w	dB	2.5
Max.Insertion Loss @23 °C,and Input 2w	dB	3.0
Min.Isolation @23 °C , λc	dB	25
Tap Ratio	%	1 ± 0.5 or Specify
Min.Extinction Ratio (Input to Output)	dB	20
Min.Return loss (Input/Output/Tap)	dB	50/50/50
Max.Average Power handling	W	2 or Specify
Max.Peak Power for ns Pulse	Kw	10
Operating temperature	°C	10~+50
Storage temperature	°C	0~+60
Package Dimensions	mm	33(L)x17(W)x11.5(H)

* Above Specifications are for device without connector

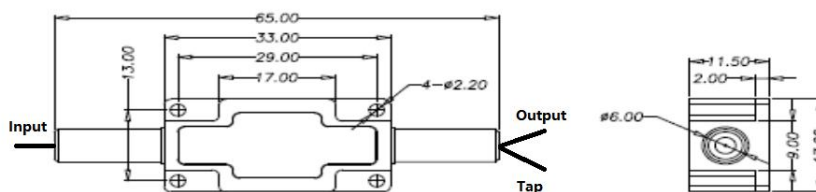
* Output IL=-10*log(1-Tap Ratio)+E.L Tap IL=-10*log(Tap Ratio)+E.L

* For device with connector, the IL will be 0.3dB higher,ER will be 2dB lower and RL will be 5dB lower

* The max handling power will be only 1W guaranteed

* The material must be ROHS compliant

Package dimensions



Ordering information

HPMTI-①①①①-②②-③③-④-⑤-⑥-⑦-⑧

①①①①:Wavelength

1064 - 1064nm

1030 - 1030nm

SSSS - Specify

②②:Handling Power

02 - 2W

SS - Specify

③③:Tap Ratio

01 - 1/99

05 - 5/95

SS - Specify

④:Fiber Jacket

B - 250 μm Bare Fiber

L - 900 μm Loose Tube

S - Specify

⑤: Connector Type

N - None

S - Specify

⑥:Fiber Length

1.0 - 1.0m

S - Specify

⑦: Working Axis

F - Fast axis blocked

B - Both Axes Working

⑧: Fiber Type

1 - PM-980

2 - Nufem FUD-3460

S - Specify