

High Power Polarization Maintaining Tap Isolator 850-1064nm 10W

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
Max.Insertion Loss @23℃	dB	1.0
Tap Ratio	%	1 ± 0.5 or Specify
Min.Isolation @23℃, λ_c	dB	25
Min.Extinction Ratio	dB	20
Working axis		Fast axis blocked
Min.Return loss	dB	50
Max.Average Power handling	W	≤ 10 or Specify
Max.Peak Power for ns Pulse	Kw	10
Operating temperature	℃	10~+50
Storage temperature	℃	0~+60
Package Dimensions	mm	60x25x25

* Above Specifications are for device without connector

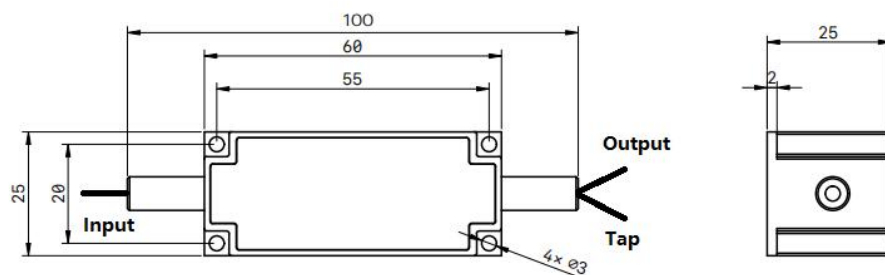
* Output IL= $-10 \cdot \log(1 - \text{Tap Ratio}) + \text{E.L}$ Tap IL= $-10 \cdot \log(\text{Tap Ratio}) + \text{E.L}$

* 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

05 - 5W

10 - 10W

SS - Specify

③③:Tap Ratio

01 - 1/99

05 - 5/95

SS - Specify

④:Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

⑤: Connector Type

N - None

S - Specify

⑥:Fiber Length

1.0 - 1.0m

S - Specify

⑦:Fiber Type for I&O

1 - PM-980

2 - Nufern FUD-3460

S - Specify

⑧:Fiber Type for T

1 - PM-980

2 - Nufern FUD-3460

3 - MMF 105/125 Fiber

S - Specify