idealphotonics

Connecting the world,Sensing the futhure

10xx nm High Power Tap Coupler

Description

Idealphotonics 1x2 and 2x2 10xx nm high power tap couplers are used in fiber laser and amplifier systems to monitor both forward and backward power.

It can work under high power condition with exceptional low excess loss.

Feathure

Low Excess Loss

Low Insertion Loss and PDL

High Power Handling

High Stability and Reliability

Application

Fiber Lasers and Amplifiers

Fiber sensor

Specification

Paramet		Spe	Unit	Not
Center Wavelength λc		1030 ~ 1090	nm	Center wavelength must be specified, e.g.
Bandwidth		±1	nm	
Typical Excess Loss		0.	dB	
Insertion Loss*	1:9	17~23/0.3	dB	Main signal port IL≤0.3dB, Tap port IL is not controlled
	0.1:99.9	27~33/0.3	dB	
	0.01:99.99	35~45/0.3	dB	
Directivity		≥5	dB	
Operating Temperature		-40 ~ +85	°C	

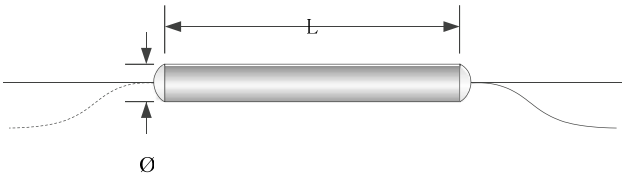
Fiber Type**	Corning HI1060, HI1060FLEX or	-	1m typical length
Handling Power	5~1	W	Depends on package type

* Insertion loss above measured without connector.

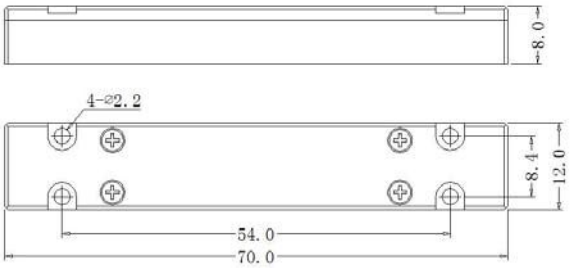
** Customized fiber available,e.g. 10/125 SCF fiber.

Package Dimensions

Ø3 x L54mm



70x12x8mm



Handling Power: Ø3 x L54 mm: 5W;
70x12x8 mm: 10W、or more
Other package dimensions can be customized on request.

Ordering information

HPTC-1x2(or 2x2)-Center wavelength-Coupling ratio-Fiber-Pigtail-Package-Fiber length
Center wavelength: e.g. 1064nm, 1080nm etc. Coupling ratio: e.g. 1/99, 0.1/99.9, 0.01/99.99, etc. Fiber: e.g. HI1060, etc.
Pigtail: e.g. 900μm loose tube, etc. Package: e.g. Ø3 x L54 mm, 70x12x8 mm.