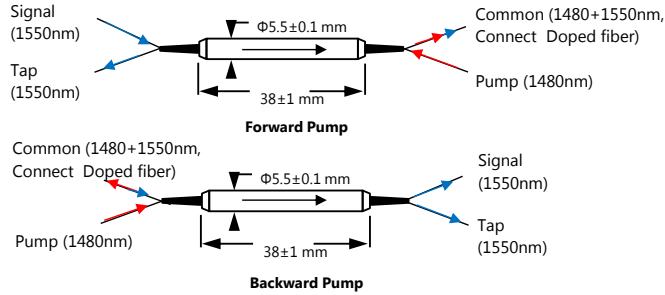


## High Power SM Tap Coupler+Isolator+WDM Hybrid

The 1550/1480 nm High Power SM Tap Coupler+Isolator+WDM Hybrid is a compact-sized hybrid component which provides function as a WDM with an optical isolator and a tap coupler integrated. Forward pump type and backward pump type are both available. It's widely used in EDFA systems. High Power handling is available upon request.



### Features

- Low Insertion Loss
- Compact Package
- High Isolation
- High Power Available

### Applications

- EDFA
- Fiber Amplifier
- Lab & Research

### Performance Specification

Parameter	Value		Unit
Signal Wavelength	1550 (1528-1564), or 1590 (1570-1605)		nm
Pump Wavelength	1480 (1460-1490)		nm
Stage	Single Stage	Dual Stage	
Isolation @ 23°C, Signal Wavelength, all SOP for Com to Signal Port	≥30	≥45	dB
Wavelength Isolation	Signal Channel@Pump Wavelength for Signal to Com	≥30	dB
	Pump Channel@Signal Wavelength for Pump to Com	≥12	dB
Insertion Loss (0-70°C, all Sop)	Pump Channel@Pump Wavelength for Pump to Com	≤0.6	dB
	Signal Channel (EL*)@Signal Wavelength for Signal to Com	≤1.4	dB
	Tap Channel@ Tap 1%	19.2-22.0	dB
	Signal Wavelength Tap 2% for Signal to Tap Tap 5%	16.2-18.0 12.2-14.0	dB
Max. PMD	0.25	0.1	ps
Max. PDL	0.1	0.2	dB
Min. Return Loss	50		dB
Max. Optical Power (Continuous Wave)	0.3, 1, 3, 5 or customized		W
Max. Tensile Load	5		N
Fiber Type	SMF-28e for Comm/Pump Port, or customized SMF-28e for Signal/Tap Port, or customized		
Operating Temperature	0 to +70		°C
Storage Temperature	-40 to +85		°C
Package Dimension	Φ5.5×L38		mm

### Note

- \* Connectors only CW 1W handling power guarantee.
- \* For devices with connectors, IL will be 0.3dB higher, and RL will be 5dB lower.
- \* For high power applications, IL will be 0.2dB higher, and for pulse applications please contact us to confirm details.
- \* Specs subject to change without notice.

### Ordering Information

#### HPTIWDM-AAAA/AAA-B-CC-D-EE-FF-GG

AAAA/AAA	B	CC	D	EE	FF	GG
Wavelength	Stage	Tap Ratio	Fiber Jacket	Fiber Length	Connector	Power
1550/1480	T1550/1480 S - Single Stage	01 - 1%	B - 250um Bare	05 - 0.5m	NE - None	Z3 - 0.3W
1590/1480	T1590/1480 D - Dual Stage	02 - 2%	Fiber	08 - 0.8m	FA - FC/APC	01 - 1W
SSSS/SSS	- Specify	05 - 5%	L - 900um Loose	10 - 1.0m	FP - FC/PC	02 - 2W
		10 - 10%	Tube	15 - 1.5m	SA - SC/APC	03 - 3W
		20 - 20%		SS - Specify	SP - SC/PC	05 - 5W
		SS - Specify			LA - LC/APC	SS - Specify
					LP - LC/PC	
					SS - Specify	