

## Tap Coupler / Optical Isolator Hybrid



### Key Features

- High Isolation
- Low Insertion Loss
- High Return Loss
- Low Polarization Sensitivity
- Epoxy Free Optical Path

### Applications

- Fiberoptic Amplifiers
- CATV Fiberoptic Links
- Fiberoptic Systems Testing
- Fiberoptic LAN Systems
- Telecommunications

### Performance Specifications

Parameter	Specifications	
	Singal Stage	Dual Stage
Operating Wavelength	1550nm or 1310nm	
Bandwidth	± 15nm	± 30nm
Tap Channel Isolation Loss	1%(19.0dB to 20.8dB), 2%(16.2dB to 8.0dB), 5%(12.2dB to14.0dB)	
Isolation (Min.)*	31dB	45dB
Signal Channel Insertion Loss (Typ.)**	0.6dB	0.8dB
Signal Channel Insertion Loss (Max)***	0.8dB	1.0dB
Polarization Dependent Loss	≤ 0.10dB	
Return Loss	≥ 55dB	
Optical Power	≤ 300mW	
Operating Temperature	-20 to +70°C	
Storage Temperature	-40 to +85°C	
Package Dimensions	Ø 5.5 x L38mm	
Fiber Length (Min.)	1 Meter	
Fiber Type	Corning SMF-28 fiber	

Note:

\* At 23° C over bandwidth.

\*\* Does not include connector, splice and fiber-end fresnel losses.

\*\*\* Including PDL, center wavelength ± 15nm, -20 to + 70° C.

**Ordering Information**

TIH	□ □	□	□	□	□	□ □
	<b>Wavelength</b>	<b>Stage</b>	<b>Tap Ratio</b>	<b>Pigtail Style</b>	<b>Fiber Length</b>	<b>In/Out Connector</b>
	15 = 1550nm 13 = 1310nm	S = Single Stage U = Dual Stage	1 = 1% 2 = 2% 5 = 5% etc.	1 = Bare Fiber 2 = 900um Jacket	1 = 1.0m 2 = 2.0m	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC