



## Mini Twin Polarization Insensitive Isolator

### Features

Low Insertion Loss  
High Isolation  
Excellent Environment Stability  
2 in 1 Hybrid  
Compact Size

### Applications

Compact EDFA  
Instrumentation  
Compact Fiber Lasers  
Research

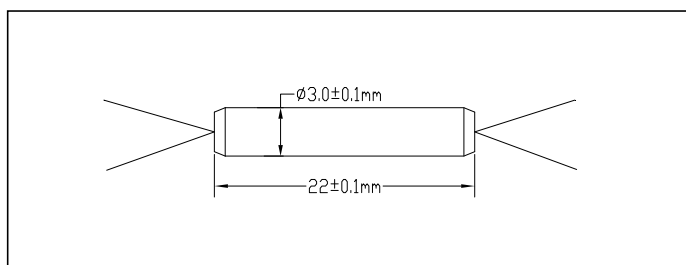
### Specifications

Parameters	Unit	Values			
		Single Stage		Dual Stage	
Grade		Grade P	Grade A	Grade P	Grade A
Center Wavelength	nm	1550			
Operating Wavelength Range	nm	±20			
Typ. Peak Isolation (Port 4 to Port 1, Port 3 to Port 2)	dB	40	38	55	52
Min. Isolation (Port 4 to Port 1, Port 3 to Port 2) at 23°C	dB	26	24	45	42
Typ. Insertion Loss (Port 1 to Port 4, Port 2 to Port 3) at 23°C	dB	0.45	0.55	0.55	0.7
Max. Insertion Loss (Port 1 to Port 4, Port 2 to Port 3) at -5°C-70°C	dB	0.65	0.75	0.75	0.9
Min. Return Loss (Input/Output)	dB	55 / 55	55 / 55	55 / 55	55 / 55
Min. Directivity (Port 1 to Port 2, Port 3 to Port 4) at 23°C	dB	55	55	55	55
Min. Crosstalk (Port 1 to Port 3, Port 2 to Port 4) at 23°C	dB	50	50	50	50
Max. PDL at 23°C	dB	0.05	0.1	0.05	0.15
Max. PMD	ps	0.2	0.25	0.05	0.07
Max. Optical Power (CW, total)	mW	600			
Max. Tensile Load	N	5			
Fiber Type		SMF-28e Fiber			
Operating Temperature	°C	-5 to +70			
Storage Temperature	°C	-40 to +85			

\*Above specifications are for device without connector.

\*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

### Package Dimensions



### Ordering Information

**MTPII-①①①①-②-③-④-⑤-⑥⑥-⑦⑦-⑧-⑨-⑩⑩**

①①①①: Wavelength  
1550 - 1550nm  
S - Specify

②: Grade  
P - Premium Grade  
A - A Grade

③: Stage  
S - Single Stage  
D - Dual Stage

④: Handling Power  
0.5 - 0.5W

⑤: PMD  
1 - Refer to above Spec.

⑥⑥: Connector Type on Port 1 & 2  
1A - FC/UPC  
2A - FC/APC  
3D - SC/UPC  
4D - SC/APC

N - None  
S - Specify

⑦⑦: Fiber Jacket on Port 1 & 2  
B - 250um Bare Fiber  
F - 900um White Loose Tube  
SS - Specify

⑧: Fiber Type  
5 - SMF-28e Fiber

⑨: Fiber Length  
1 - 1m  
S - Specify

⑩⑩: Package Type  
06 -  $\varnothing 3.0 \times 20$