



# MultiMode Polarization Insensitive Isolator (MMI Series)

The MultiMode Polarization Insensitive Isolator is designed and manufactured to Telcordia standard. The unique manufacturing process and optical path epoxy-free design enhance the device high power handling capability. The device is characterized with high performance, high reliability and low cost. It has been widely used in fiber lasers, transmitters and other fiber optic communication equipments to suppress back reflection and back scattering.



Specifications		
Parameters	Unit	Values
Center Wavelength	nm	1310 or 1550
Operating Wavelength Range	nm	±20
Typ. Peak Isolation	dB	50
Min. Isolation at 23°C	dB	42
Typ. Insertion Loss at 23°C	dB	0.50
Max. Insertion Loss at -5°C-70°C	dB	0.60
Min. Return Loss (input/output)	dB	40/40
Max. TDL	dB	0.15
Max. Optical Power	mW	300
Max. Tensile Load	N	5
Fiber Type	um	Multimode Fiber, 62.5/125 or 50/125
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

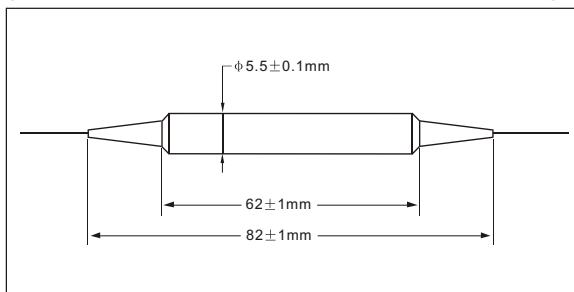
\*Above specifications are for device without connector.

\*For devices with connectors, IL will be 0.2dB higher, RL will be 20dB lower.

\*Above specifications are measured in low order modes

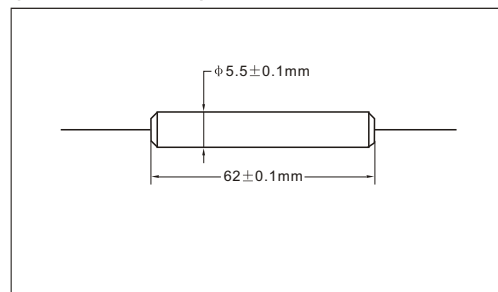
**Package Dimensions: dia 5.5 x 82mm**

(for 250um bare fiber and 900um loose tube)



**Package Dimensions: dia 5.5 x 62mm**

(for 3mm cable)



## Ordering Information

**MMI-①-①-②-③-④-⑤**

①①: Wavelength  
31 - 1310nm  
55 - 1550nm  
SS - Specify

②: Fiber Core  
1 - 62.5um  
2 - 50um

③: Connector Type  
1 - FC/UPC  
2 - SC/UPC  
3 - LC/UPC  
4 - ST/UPC  
N - None  
S - Specify

④: Fiber Type  
B - 250um bare fiber  
L - 900um loose tube  
C - 3mm cable  
S - Specify

⑤: Fiber Length  
1 - 1.0m  
S - specify