

Multimode Polarization Insensitive Isolator (GK-MMI Series)

● Description

The Multimode Polarization Insensitive Isolator is designed and manufactured according 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 optics communication equipments to suppress back reflection and back scattering.

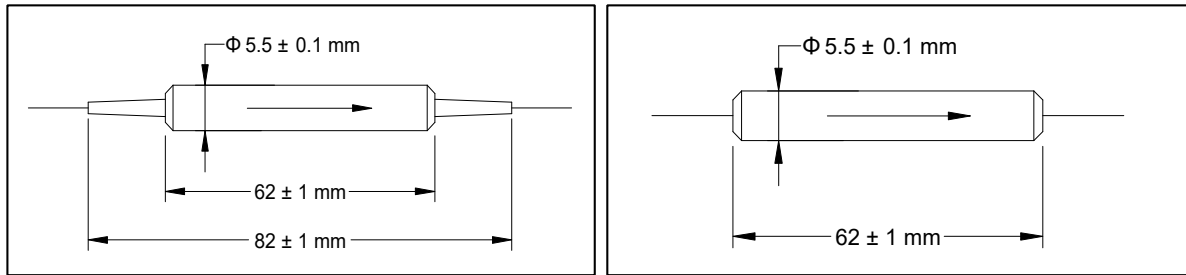
● Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1310, 1550
Operating Wavelength Range	nm	$\lambda_c \pm 20$
Typ. Peak Isolation	dB	50
Min. Isolation, 23 °C	dB	42
Typ. Insertion Loss, 23 °C	dB	0.50
Max. Insertion Loss, all temperature	dB	0.60
Min. Return Loss (Input/Output)	dB	40/40
Max. Temperature Dependent Loss	dB	0.15
Max. Optical Power (Continuous Wave)	mW	300
Max. Tensile Load	N	5
Fiber Type	-	Multimode Fiber, 62.5/125, 50/125 or 105/125 μm
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

¹IL is 0.3 dB higher for each connector added.

¹Above specifications are measured in low order modes.

● Package Dimensions



● Ordering Information

GK-MMI-①-②-③-④-⑤

①: Wavelength

31 - 1310 nm

55 - 1550 nm

②: Fiber Core

1 - 105 μ m

2 - 62.5 μ m

3 - 50 μ m

S - Specify

③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④: Fiber Type

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

⑤: Fiber Length

1 - 1 m

S - Specify