



Isolator Mode Transfer

I&Optics' isolator mode transfer can convert a single mode input light into a uniform distribution multimode output and transmit the input signal with very low loss and block the reversed light. It features low insertion loss and high isolation. It can be used in lasers, telecom, sensors, instruments, testing systems and R&D.

Specification

Parameter	Test Condition	Unit	Value
Port Configuration	-	-	1x1
Nominal Center Wavelength	Port 1 to Port 2	nm	633, 780, 850 or Specify
Operating Wavelength Range	Port 1 to Port 2	nm	+/-30
Max. Insertion Loss	Port 1 to Port 2	dB	1.2, Typ. 0.9
Min. Isolation	Port 2 to Port 1, at 23°C	dB	30, Typ. 35
Min. Return Loss	Port 1	dB	50
Min. Return Loss	Port 2	dB	30
Max. Power Handling Rate	CW, Total Power	mW	200 or Specify
Fiber Type	-	-	Single Mode or Multimode Fiber
Max. Fiber Tensile Load	-	N	5
Operating Temperature	-	°C	-5 to 70
Storage Temperature	-	°C	-40 to 85

Above values are for device without connectors. For device with connectors, IL will be 0.5dB higher, return loss will 5dB lower for single mode port and 20dB lower for multimode fiber port.

Package Dimensions

Detailed Informations And Dimensions Please Contact Us. Customized Design Is Available Upon Request.

Ordering Informations

/MT-①-②-③-④-⑤-⑥

① - Center Wavelength

63 - 633nm

78 - 780nm

85 - 850nm

SS - Specify

② - Input Fiber

1 - SM 650 Fiber

2 - HI 780 Fiber

3 - GI MMF 50/125, NA 0.22

4 - GI MMF 62.5/125, NA 0.27

S - Specify

③ - Output Fiber

1 - GI MMF 50/125, NA 0.22

2 - GI MMF 62.5/125, NA 0.27

3 - SI MMF 105/125, NA 0.15

4 - SI MMF 105/125, NA 0.22

S - Specify

⑤ - Fiber Jacket on Port 1/2

B - Bare Fiber

L - 900um Loose Tube

⑥ - Fiber Length

0.8 - 0.8m

④ - Connector Type on port 1/2

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC