



## Mode Transfer

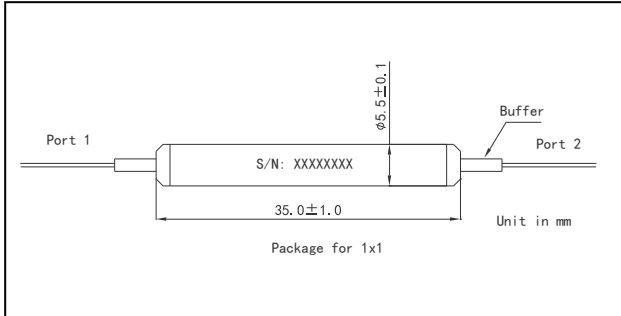
I&Optics' mode transfer can convert a single mode input light into a uniform distribution multimode output in a multimode fiber. It features low insertion loss, uniform distribution and wavelength insensitivity. It can be used in lasers, telecom, sensors, instruments, testing systems and R&D.

### Specification

Parameter	Test Condition	Unit	Value
Port Configuration	-	-	1x1
Nominal Center Wavelength	Port 1 to Port 2	nm	633, 780, 850, 980, 1064, 1310, 1550, 2000 or Specify
Operating Wavelength Range	Port 1 to Port 2	nm	+/-30 (980nm or below), +/-50 (1064nm or above) or Specify
Max. Insertion Loss	Port 1 to Port 2	dB	0.70, Typ. 0.55
Max. Thermal Stability	Port 1 to Port 2	dB/°C	0.005
Min. Return Loss	Port 1	dB	50
Min. Return Loss	Port 2	dB	30
Max. Power Handling Rate	CW, Total Power	mW	200 (633~850nm), 300 (980~1064nm), 500 (1310~2000nm) or Specify
Fiber Type	-	-	Single Mode Fiber on Port 1 and Multimode Fiber for Port 2
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 0.3dB higher (0.5dB for 633/780/850nm), return loss will 5dB lower for single mode port and 20dB lower for multimode fiber port.

### Package Dimensions



### Ordering Informations

MT-①-②-③-④-⑤-⑥

① - Center Wavelength

63 - 633nm

78 - 780nm

85 - 850nm

98 - 980nm

06 - 1064nm

31 - 1310nm

55 - 1550nm

20 - 2000nm

SSSS - Specify

② - Input Fiber

1 - SM 650 Fiber

2 - HI 780 Fiber

3 - HI 1060 Fiber

4 - SMF-28e Fiber

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