



High Power Fiber Isolator

I&Optics' high power fiber isolator can transmit the signal with very low loss, block the reversed light and dissipate the cladding power. It features high handling power, low insertion loss, low polarization dependent loss and high isolation. It can be used in lasers, free space telecom, sensors, instruments, testing systems and R&D.

Specification

Parameter	Test Condition	Unit	Value
Port Configuration	-	-	1x1
Isolator Stage Number	-	-	Broad Band
Nominal Center Wavelength	Port 1 to Port 2	nm	633, 780, 850 or Specify
Operating Wavelength Range	Port 1 to Port 2	nm	+/-40
Max. Insertion Loss	Port 1 to Port 2, CWL+/-15	dB	1.2, Typ. 0.8
Min. Reversed Isolation	at 23°C, Port 2 to Port 1	dB	26, Peak Typ. 32
Max. PDL	at 23°C, CWL, Port 1 to Port 2	dB	0.2, Typ. 0.1
Min. Return Loss	-	dB	50
Max. Power Handling Rate	CW, Total Power	W	0.3, 1, 3 or Specify
Fiber Type	-	-	SM Fiber or Specify
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 be 5dB lower and handling power will be only 0.5W.

Package Dimensions

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

Ordering Informations

HPFI-①-②-③-④-⑤-⑥

① - Center Wavelength

63 - 633nm

78 - 780nm

85 - 850nm

SS - Specify

③ - Handling Power Rate

0T - 0.3W

01 - 1W

03 - 3W

SS - Specify

④ - Connector Type on port 1/2

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

⑥ - Fiber Length

0.8 - 0.8m

② - Isolator Type

S - Standard

B - Broad Band

⑤ - Fiber Jacket on Port 1/2

B - Bare Fiber

L - 900um Loose Tube