



Single Mode Fiber Polarization Insensitive Isolator

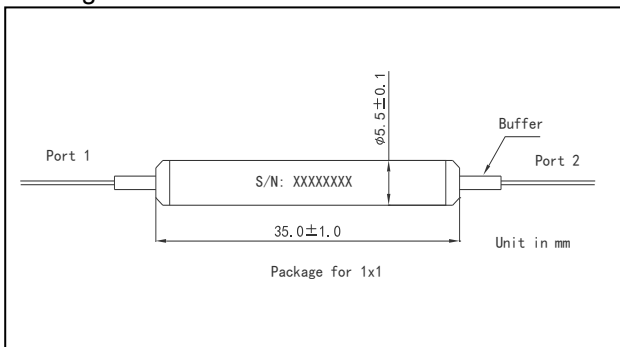
I&Optics' SM fiber isolator can transmit the signal with very low loss and block the reversed light. It features high handling power, low insertion loss, low polarization dependent loss and high isolation. It can be used in lasers, LiDARs, telecom, sensors, instruments, testing systems and R&D.

Specification

Parameter	Test Condition	Unit	Value	
Port Configuration	-	-	1x1	
Isolator Stage Number	-	-	Single	Dual
Nominal Center Wavelength	Port 1 to Port 2	nm	1064, 1080 or Specify	
Operating Wavelength Range	Port 1 to Port 2	nm	+/-10	
Max. Insertion Loss	at CWL, Port 1 to Port 2	dB	2.0, Typ. 1.3	3.2, Typ. 2.2
Min. Reversed Isolation	at 23°C, Port 2 to Port 1	dB	30, Peak Typ. 38	50, Peak Typ. 55
Max. Polarization Dependent Loss	at 23°C	dB	0.15	
Min. Return Loss	Port 1/2	dB	55/50	
Max. Power Handling Rate	CW, Total Power	mW	300 or Specify	
Fiber Type	-	-	HI 1060 Fiber or Specify	
Max. Fiber Tensile Load	-	N	5	
Operating Temperature	-	°C	-5 to 50	
Storage Temperature	-	°C	-40 to 85	

Above values are for device without connectors. For device with connectors, IL will be 0.5dB higher and return loss will be 5dB lower.

Package Dimensions



Ordering Informations

SP11-①-②-③-④-⑤-⑥

① - Center Wavelength
06 - 1064nm
08 - 1080nm
SS - Specify

③ - Connector Type on port 1/2
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC

④ - Fiber Jacket on Port 1/2
B - Bare Fiber
L - 900um Loose Tube

⑤ - Fiber Length
0.8 - 0.8m

② - Isolator Stage Number
S - Single Stage
D - Dual Stage