



Super Fiber Polarizer

I&Optics' super fiber polarizer involves a dichroic polarizer in it and it can filter any light vertical to the transmission axis. It features very high extinction ratio and high power handling capability due to our unique technology. It can be used in lasers, sensors, testing systems and R&D.

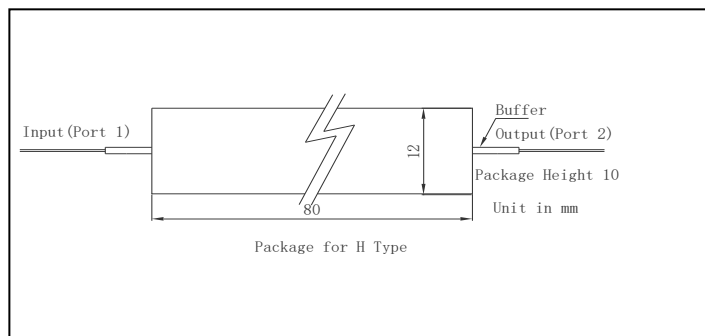
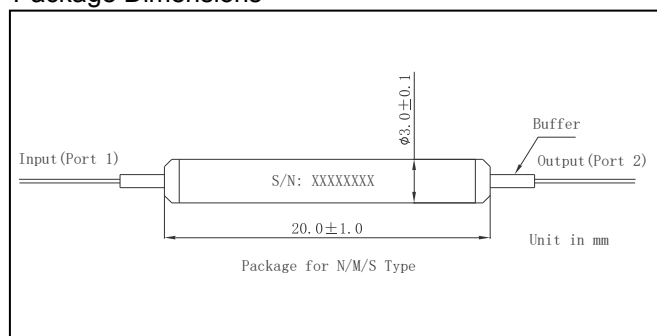
Specification

Parameter	Test Condition	Unit	Value			
			N-Type	M-Type	S-Type	H-Type
Model Type	-	-	N-Type	M-Type	S-Type	H-Type
Nominal Center Wavelength	-	nm	633, 850 , 980 , 1060 , 1310 , 1550 , 2000 or Specify			
Wavelength Range*	-	nm	+/-20 for 633/850/ 980/1060nm, others +/-50			+/-30
Max. Insertion Loss	at Center Wavelength (Proper SOP)	dB	0.9, Typ. 0.75 (633nm), 0.7, Typ. 0.55 (850/2000nm), 0.55, Typ. 0.4 (980/1060nm), others 0.45, Typ. 0.3			
Min. Extinction Ratio	at 23°C, Input to Output	dB	30	35	40	30
Min. Return Loss	at Center Wavelength	dB	55	55	55	50
Max. Power Handling Rate*	Continuous Wave	W	0.3			1,3,5,10 or Specify
Fiber Type	-	-	SM or PM Panda fiber or Specify			
Max. Fiber Tensile Load	-	N	5			
Operating Temperature	-	°C	-5 to 70			0 to 50
Storage Temperature	-	°C	-40 to 85			-10 to 70

*It is dependent on the input state of polarization (SOP) due to probable absorption or scattering. Proper input SOP results in higher handling power. Special applications please call.

Above values are for device without connectors. For device with connectors, IL will be 0.3dB higher (0.5dB for 633/850nm), ER will be only 28dB, return loss will 5dB lower and handling power is only 1W (0.5W for 633/850nm). The default alignment of working polarization and connector key is to slow axis of fiber. Special requirement please call.

Package Dimensions



Ordering Informations

SFP-①-②-③-④-⑤-⑥-⑦

- | | | | |
|-----------------------|----------------|----------------------------|--------------------------------|
| ① - Center Wavelength | ② - Model Type | ④ - Fiber Type on port 1/2 | ⑤ - Connector Type on port 1/2 |
| 63 - 633nm | N - N Type | 1 - SM 650 Fiber | 1 - FC/UPC |
| 85 - 850nm | M - M Type | 2 - PM 630 Panda Fiber | 2 - FC/APC |
| 98 - 980nm | S - S Type | 3 - Hi 780 Fiber | 3 - SC/UPC |
| 06 - 1060nm | H - H Type | 4 - PM 850 Panda Fiber | 4 - SC/APC |
| 31 - 1310nm | | 5 - Hi 1060 Fiber | |
| 55 - 1550nm | ③ - Power Rate | 6 - PM 980 Panda Fiber | ⑥ - Fiber Jacket on Port 1/2 |
| 20 - 2000nm | L - 0.3W | 7 - SMF-28e Fiber | B - Bare Fiber |
| SS - Specify | 1 - 1W | 8 - PM 1310 Panda Fiber | L - 900um Loose Tube |
| | 10 - 10W | 9 - PM 1550 Panda Fiber | |
| | | | ⑦ - Fiber Length |
| | | | 0.8 - 0.8m |