

1700nm PM Optical Isolator

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks



SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength (λ_c)	nm	1700	
Isolation ($\lambda_c \pm 5\text{nm}$, 23°C)	dB	≥ 30	
Insertion Loss (λ_c , 23°C)	dB	≤ 1.4	
Insertion Loss (λ_c , 0-50°C)	dB	≤ 1.8	
Optical Return Loss (Input/Output)	dB	45/45	
Extinction Ratio	dB	≥ 18	
Working Mode	S Type	-	Can only work in Slow Axis
	F Type	-	Can work both in Slow Axis and Fast Axis
Fiber Type	-	SMF-28 Fiber	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Φ)5.5x35
	Metal Box-M	mm	(L)120x(W)12x(H)10

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

FPIS-	NNNN	-	C	-(C)	C	NN	-CC/CCC
	<i>Center Wavelength</i>		<i>Type</i>	<i>Package</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
	1700-1700nm		S= S Type F= F Type	M= Metal Box <i>Blank</i> for SST	B= Bare Fiber L= Loose Tube 2= 2mm Cable 3= 3mm Cable	05=0.5m 10=1.0m 15=1.5m 20=2.0m	N=Without Connector FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector