

1700nm Polarization Insensitive 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	
PDL	dB	≤ 0.15	
PMD	-	≤ 0.15	
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.
 3. Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

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