1650nm 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	Single Stage	Dual Stage
Center Wavelength (λc)		nm	1650	
Isolation (λc+/-5nm, 23°C)		dB	≥20	≥40
Insertion Loss (λc, 23°C)		dB	≤0.8	≤1.1
Insertion Loss (λc, 0-50°C)		dB	≤1.0	≤1.4
Optical Return Loss (Input/Output)		dB	50/50	50/50
PDL		dB	≤0.15	
PMD		-	≤0.25	≤0.10
Fiber Type		-	SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)	
Fiber Tensile Load		N	5	
Max. Optical Power (CW)		mW	300	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	$^{\Phi}$5.5x^{L}35	
	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; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

ORDERING INFORMATION (PN)

FISO-NNNN - C - (C) (C) C NN - CC/CCC

Center Wavelength	Stage	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1650= 1650nm	S= Single Stage	M=Metal Box	O=10/130 DC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
	D= Dual Stage	*Blank* for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
			G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
			Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector