

Introduction:

An optical isolator is a passive device that allows light to travel in only one direction. It is used in applications to prevent unwanted feedback into the system.

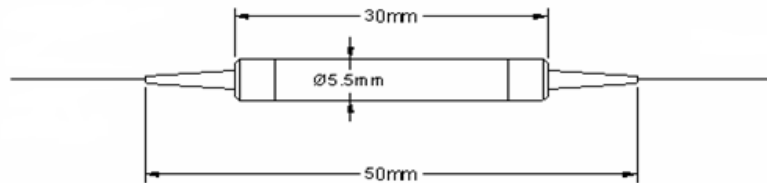
Features:

- High Isolation
- Low Insertion Loss
- Ultra Low PDL & PMD
- Low Polarization Sensitivity
- Epoxy-Free Optical Path

Applications:

- Fiber Optic Amplifiers
- CATV Fiber Optic Links
- Fiber Optic Instruments
- MDM Systems
- Laboratory R & D

Package Dimensions:



Specifications:

FISO Series Optical Isolator		Single Stage		Dual Stage	
		P Grade	A Grade	P Grade	A Grade
Operating Wavelength Bandwidth	nm	1310, 1480 or 1550			
	nm	±15		±30	
Typ. Isolation	dB	≥40	≥36	≥50	≥48
Min. Isolation	dB	≥32	≥30	≥46	≥43
Typical Insertion Loss	dB	0.4	0.6	0.65	0.7
Max Insertion Loss	dB	0.55	0.7	0.75	0.8
Return Loss (In/Out)	dB	60/55	60/55	60/55	60/55
PDL Loss	dB	0.5	0.1	0.1	0.15
PMD	dB	0.15		0.5	
Operating Temperature	°C	-5~+70			
Storage Temperature	°C	-40~+85			
fiber Type		Corning SMF-28			
Max Optical Power	mW	500			
Package Dimension	mm	∅ 5.5 x L30 (L38 for 900um Jacket)			

Ordering Information:

FISO	-	X	XX	X	XX	XX	X	X
F = Fiberdyne		Type	Wavelength	Grade	Fiber Type	Fiber Length	Package Type	Connector
ISO=Isolator		S=Single Stage	13=1310nm	P=Grade	02=250um	1=1.0m	A=Standard Steel Tube	0=None
		Dual=Dual Stage	14=1480nm	A=A Grade	09=0.9mm (900um)	S=Custom (Specify)	C=Filter Case (100x31x8mm)	1=FC/UPC
			15=1550nm		20=2.0mm		F=Field Mod. (100x80x10mm)	2=FC/APC
					30=3.0mm		L=LGX Module (100x80x10mm)	3=SC/UPC
							R=1u Rack Module	4=SC/APC
							S=Custom (Specify)	7=Custom (Specify)
							W=Wallmount	L=LC/UPC
								N=LC/APC

NOTES:

- 1) Package type C is standard for fiber type 20 and 30, A package is not available.
- 2) Multiple circulators may be packaged types F, L, R and W. Contact Fiberdyne Sales Rep for custom requirements.

Contact Us:

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