

Description

Single mode optical isolator made use of magnetic light crystals of Faraday Effect. The optical components allow the light to transit only one direction. The devices are designed and manufactured to meet Telcordia GR-1209-CORE requirements and RoHS compliant.

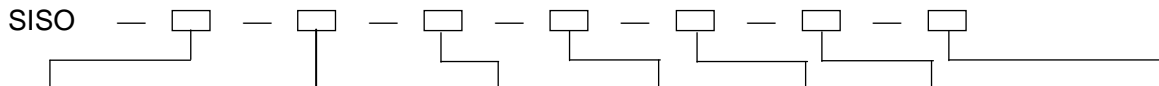
Applications

Optical Amplifiers
WDM System
Test Equipment

Features

Low Excess Loss
Wide Pass Band
High Reliability

Ordering Information



Stage	Wavelength	Grade	Pigtail Dia.	Pigtail Length	Package	Connector Type
S1=Single Stage	31=1310nm	P= Premium	02=0.25mm	05=50cm	A6	FU(A)=FC/UPC(APC)
S2=Dual Stage	55=1550nm	A= A Grade	09=0.9mm	10=100cm	B1	SU(A)=SC/UPC(APC)
/				15=150cm	C1	...
						LU(A)=LC/UPC(APC)
X=Customization						

Package and Mounting Dimension (mm)

Stainless Steel Tube (A)		Plastic Box (B)		Aluminum alloy Box (C)		Aluminum alloy Rack (D)	
Outline	Outline	Outline	Mounting	Outline	Mounting	Outline	
A1=Φ3x50	A5=Φ5.5x34	B1=90x20x9.5	50x12x2Φ3.2	C1=85x18x8.4	44.5x13x2Φ3	D1=129x29x160(LGX)	
A2=Φ3x54	A6=Φ5.5x38	B2=100x80x10	70x73.5x4Φ3.2	C2=90x72x8	86x68x4Φ3	D2=129x58x160(LGX)	
A3=Φ3x60	A7=Φ5.5x50	B3=120x80x18	80x74.5x4Φ3.2	C3=110x95x7.5	99x84x4Φ3.5	D3=485x43.5x230(19' Rack)	
A4=Φ5x70	A8=Φ5.5x64	B4=141x115x18	100x106x4Φ3.2	C4=110x95x15	99x84x4Φ3.5	D4=485x87x230(19' Rack)	
Item	φ 0.25 Stainless	φ 0.9 Stainless	φ 2/3 Stainless	φ 0.9(φ 2,φ 3) Plastic	φ 0.9(φ 2/φ 3) Aluminum Alloy	LGX	19' Rack
1X1	A5	A5	A4	B1	C1	D1	D3

Specification

Parameter	Unit	Value			
Grade	/	Premium		A	
Stage		Single	Dual	Single	Dual
Wavelength	nm	1310±15, 1550±15			
Isolation (@23°C Over Band)	dB	>30	>46	>30	>46
Insertion Loss	nm	<0.4	<0.6	<0.6	<0.8
PDL	dB	<0.1		<0.15	
PMD	ps	<0.05	<0.1	<0.05	<0.1
Insertion Loss Temperature Sensitivity	dB/°C	<0.005			
Wavelength Temperature Shifting	nm/°C	<0.002			
Return Loss	dB	>60			>55
Fiber Type	/	SMF-28e			
Pigtail Dia.	mm	0.25 /0.9			
Pigtail Length	cm	>50			
Operating Tem.	°C	-5~ +70			
Storage Tem.	°C	-40~ +85			