

Description

Polarization independent optical circulator based on polarization Beam Splitting Prism technology. It's incoming signal from port 1 to port 2 and another signal from ports 2 to port3. The devices are designed and manufactured to meet Telcordia GR-1209-CORE requirements and RoHS compliant.

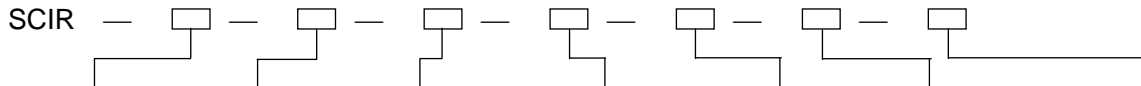
Applications

Bi-Directional Systems
EDFA OADM Equipment
WDM Systems

Features

Low Excess Loss
High Isolation & Directivity
High Reliability

Ordering Information



Wavelength	Ports	Fiber Type	Pigtail Dia.	Pigtail Length	Package	Connector Type
O=1310nm	3=3 Ports	E=SMF-28e	02=0.25mm	05=50cm	A7	FU(A)=FC/UPC(APC)
C=1550nm		/	09=0.9mm	10=100cm	B1	SU(A)=SC/UPC(APC)
L=1590nm			20=2mm	...	C1	...
/			30=3mm	20=200cm	D1(3)	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
1X2	A7	A7	/	B1	C1	D1	/

Specification

Operating Wavelength(nm)	1310	C Band	L Band	Parameter	Unit	Value
Band Wide(nm)	± 15			Fiber Type	/	SMF-28e
Insertion Loss 1->2	<0.8			Directivity	dB	>50
Insertion Loss 2->3	<0.8			Return Loss	dB	>50
Isolation @λ _c	>40			Pigtail Dia.	mm	0.25 / 0.9 / 2 / 3
Isolation @λ _{all}	>35			Pigtail Length	cm	>50
Insertion Loss Temperature Sensitivity (dB/°C)	<0.005			Power Handling	mW	<500
Wavelength Temperature Shifting(nm/°C)	<0.002			Operating Tem.	°C	-0~ +70
PDL(dB)	<0.12			Storage Tem.	°C	-40~ +85
PMD(ps)	<0.1			/		