

Polarization Maintaining In-line Isolator

Features

- ◆ Low Insertion Loss
- ◆ High Isolation
- ◆ High Extinction Ratio
- ◆ Excellent environmental stability and reliability

Applications

- ◆ Fiber Optic instruments
- ◆ Fiber Sensors
- ◆ Coherent Detecting
- ◆ Research



Compliance

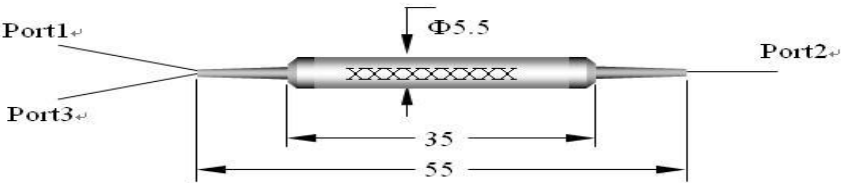
- ◆ Telcordia GR-1209-CORE-2001
- ◆ Telcordia GR-1221-CORE-1999
- ◆ RoHS

Specifications

Parameter	Unit	Values	
Type		Dual stage	Single stage
Center Wavelength	nm	1310 ± 15 or 1550 ± 15	
Insertion Loss	dB	≤ 0.8 Typ 0.6	≤ 0.7 Typ 0.4
Peak Isolation	dB	52	40
Typ. Isolation	dB	46	30
Isolation	dB	≥ 40	≥ 28
Extinction Ratio	dB	≥ 20	
Return Loss	dB	≥ 55	
Cross Talk	dB	≥ 50	
Power Handling	mW	≤ 500	
Tensile Load	N	≤ 5	
Fiber Type		SM13-PS-U25A or SM15-PS-U25A	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

1. Specified without connectors.
2. Add an additional 0.2dB loss per connector.

Mechanical Dimensions
Standard



Ordering information

PM CIR	-	×	×	×	×	-	×	×	×	×
		PORT Configuration	type	Wavelength	fiber Type		Pigtail	Pigtail length	Input	Output
PM=Polarization		1=1x2	S=Single Stage	1=1310nm	1=PS1310		B=Bare fiber	05=0.5m	0=None	0=None
Maintaining		2=2x2	D=Dual Stage	2=1550nm	2=PS1550		L=901um Loose Tube	10=1.0m	1=FC/UPC	1=FC/UPC
I=Isolator				3=1064nm	3=PS1064				2=FC/APC	2=FC/APC
									3=SC/UPC	3=SC/UPC
									4=SC/APC	4=SC/APC
									5=LC/UPC	5=LC/UPC
									6=LC/APC	6=LC/APC