

Three Ports Circulator Spec

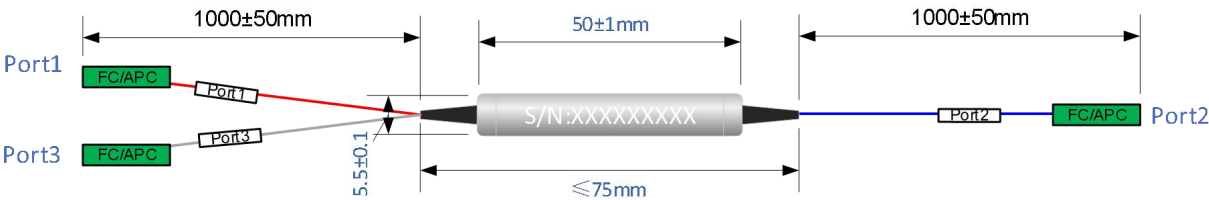
Customer PN	Product PN	Description
030700275	CIR-315504114P-01	PM1550nm CIRCULATOR, 3 ports, 900um loose tube, FC/APC connectors, narrow key, Both axis working

Performance Specifications

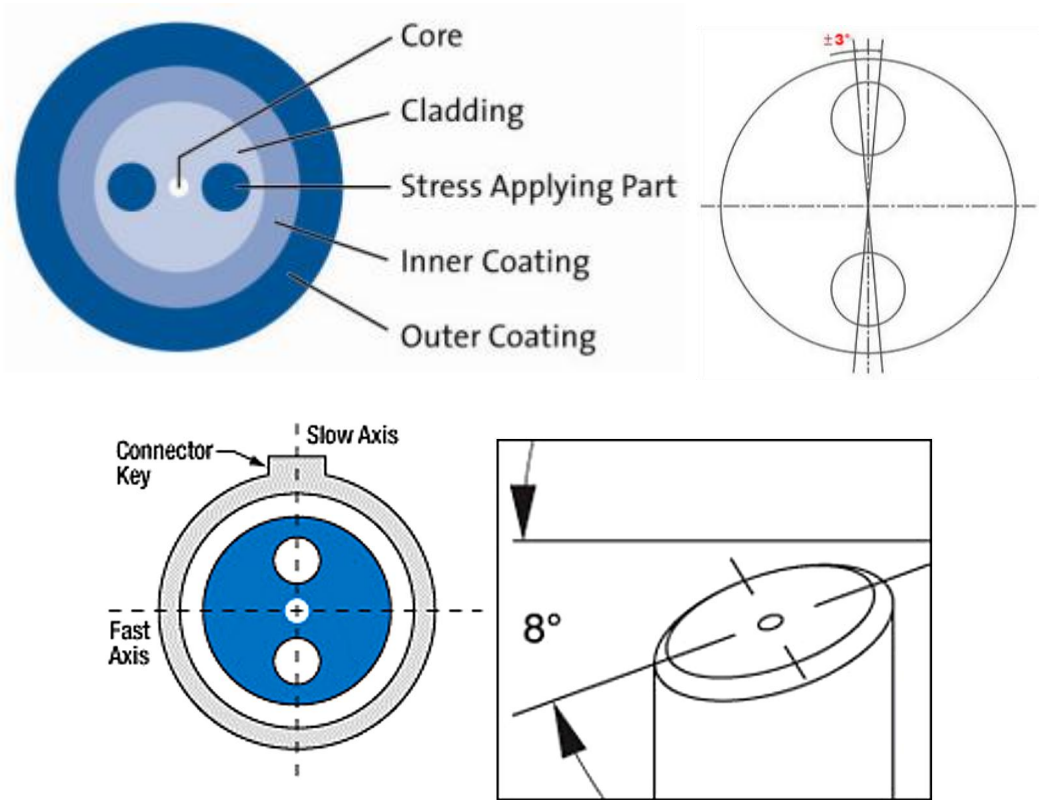
Parameters	Specifications	Units
Configuration	Port 1 to Port2 to Port 3	
Operation Wavelength	1550±30	nm
Insertion Loss ¹	≤1.2 (with connector)	dB
Channel Peak Isolation	≥50	dB
Typical isolation	≥46	dB
Channel Minimum Isolation	≥38	dB
Channel Cross Talk	≥50	dB
Extinction Ratio	≥20	dB
Return Loss	≥50	dB
Polarization Mode Dispersion	≤0.05	ps
Maximum Power Handling	300	mW
Fiber Type	PM1550 Panda fiber	-
Pigtail Type	900um loose tube (Hytrel)	-
Length	1000(+50/-50)	mm
Connector Type	FC/APC(2.02mm narrow key)	-
Key angle to PM axis	+/- 3	degree
Connector key aligned	slow axis alignment	-
Working shaft	Both axis working	-
Cable Color	Port 1:Red	-
	Port2:Blue	-
	Port 3:White	-
Package Dimension	Φ 5.5×L50	mm
Max tensile load	≥5	N
Operating Temperature	-5 ~ +70	℃
Storage Temperature	-40 ~ +85	℃

* Notes: 1. Insertion Loss tested with connector.

Dimension



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Test Report

The test report should be provided when the products are delivered. Following characteristic test data should be included:

- Insertion Loss@ room temperature
- ER@ room temperature
- Isolation@ room temperature

Packaging

Following items should be indicated on the outer packaging surface:

- Product Name
- Product Number
- Serial Number

Reliability Specifications

Telcordia GR-1209 core
Telcordia GR-1221 core
RoHS10 compliance

Revision History

Revision	Notes	Authors	Checked	Approval	Date
Rev A0	New release	Virgil			2025-11-11