

Optical Circulator Device

Features

- ◆ Low Insertion Loss
- ◆ High Isolation
- ◆ Low PDL
- ◆ Low WDL
- ◆ Compact Design
- ◆ High Reliability and Stability
- ◆ Telcordia GR-1209-CORE-2001
- ◆ Telcordia GR-1221-CORE-1999
- ◆ RoHS



Applications

- ◆ PON Networks
- ◆ CATV Links

Specifications

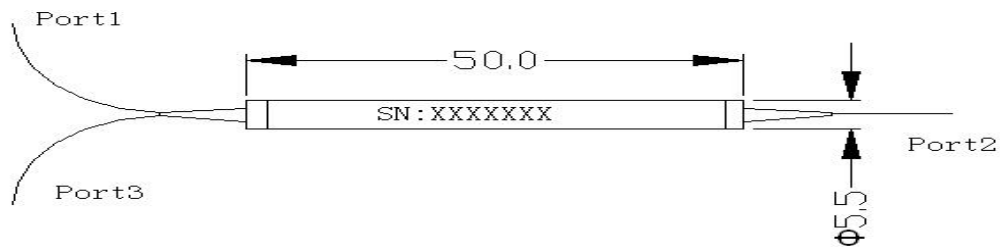
Parameters	Min	Typical	Max	Unit	Comments
Operating Wavelength	1290	1310	1330	nm	
	1520	1550	1580		
Insertion Loss		0.6	0.8	dB	P1→P2, P2→P3
Wavelength Dependent Loss			0.25		P1→P2, P2→P3
Polarization Dependent Loss		0.1	0.2	dB	P1→P2, P2→P3
Isolation	40				P2→P1, P3→P2
Directivity		50		dB	P1→P3
Polarization Mode Dispersion		0.05	0.1	ps	
Return Loss	50	55		dB	All ports
Operating Temperature	- 5		70	°C	
Storage Temperature	- 40		85	°C	

Fiber Type	Corning SMF-28	
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Connector Type		NA
Fiber Length (m)		1 ± 0.1
Tubing color	Port 1	NA
	Port 2	NA
	Port 3	NA

Notes:
Specified without connectors

Mechanical Dimensions



Ordering information

CD	-	X	X	X	X	XX	X
		Port Configuration	Wavelength	Fiber type	Fiber type	fiber length	Connector
C=Circulator		1=1*2	1=1310	1=SMF-28	L=900 μ m loose tube	05=0.5m	0=None
D=Device			2=1550	0=Special	B=250 μ m bare fiber	10=1.0m	1=FC/APC
			C=C band			12=1.2m	2=FC/PC
			L=L band			15=1.5m	3=SC/APC
			3=C+L			X=Customized	4=SC/PC
			0=Special				5=LC/APC
							6=LC/PC
							X=Customized