

1310or1550nm Polarization Insensitive Optical Circulator

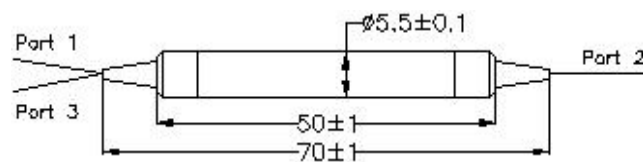
Spec. Number	SR0363 Rev01	N/A
Date	2014/03/07	2014/03/07
Part Number	FCIR155030022N0-0012	NA

Specifications

Parameter	Type	3 Port
Center Wavelength (nm)		1310or1550
Operating Wavelength Range (nm)		± 20
Typ.Insertion Loss (dB)		≤ 0.7
Max. Insertion Loss (dB)		≤ 0.8
Min.Isolation ,23°C(dB)		≥ 45
Min. Crosstalk(dB)		≥ 50
Min.Return loss (dB)		≥ 55
Max.Polarization Dependent Loss,23°C (dB)		≤ 0.1
MaxPolarization Mode Dispersion(ps)		≤ 0.1
Max.Optical Power(Continuous Wave) (mW)		≤ 300
Max.Tensile Load(N)		5
Fiber Type		SMF-28e
Operating temperature (°C)		-5 to +70
Storage temperature (°C)		-40 to +85
Dimensions (mm)		5.5x50(P2)

*IL is 0.3dB higher and RL is 5dB lower for each connector added.

Package Dimensions



P2

Ordering Information

Circulator	wavelength	Type	00	Package type	Pigtail Type	Length	Connector	Customer
FCIR	1550=1550 1310=1310	3=3 Port	00	2=P2	1=250um bare fiber 2=900um loose tube	0.5meter= H 1.0meter=1 1.5meter= 5 2.0meter=2 0.8meter=8 1.2meter=N	0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 5=MU 6=LC/PC 7=LC/APC	Customer=0012

1310/1550nm Fused WDM & High Isolation Fused WDM Coupler

Features:
Low insertion loss High Isolation High stability and reliability
Application:
Fiber Communication/Access Network

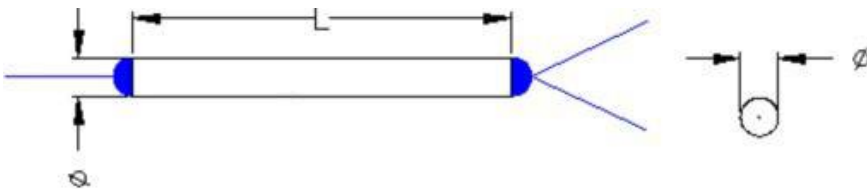
Specifications

Parameter Type	Normal Size (SWDM)		Mini Size(SWDM)		High Isolation (HWDM)
Wavelength	1310/1550				
Bandwidth(nm)	±15				
Grade	P	A	P	A	P
Insertion loss(dB)	≤0.2	≤0.3	≤0.25	≤0.35	≤0.5
Isolation(dB)	≥17	≥16	≥17	≥16	≥35
PDL(dB)	≤0.05	≤0.1	≤0.08	≤0.12	≤0.1
Return Loss(dB)	≥55				
Directivity (dB)	≥55				
Operating temperature(°C)	0~+70				
Storage temperature(°C)	-40~+85				
Configuration	1×2 or 2×2				
Pigtail type	250μm bare fiber	900μm loose tube	250μm bare fiber		0.9mm/2mm/3mm loose tube
Dimensions (mm)	WDM	Φ3.0×54	Φ3.0×54	Φ2.4×30	100x80x10
	HWDM	Φ3.0×40			

*The above specification is without connector.

**Other specifications can be made on customer request

Package Dimensions



Ordering Information

SWDM HWDM	Wavelength	Port	Grade	Package	Fiber type	Pigtail Type	Length	Connector
	3155=1310/1550 nm	1=1x2 2=2x2	A=A Grade P=P Grade	1= 3.0×L54 2= 3.0×L40 3= 3.0×L60 5= 2.4×L30 A=90x20x9.5 B=100x80x10 mm	0=SM F28e	0=250um bare fiber 1=900um loose tube 2=2mm loose tube 3=3mm loose tube	H=0.5m 8=0.8m 1=1.0m 5=1.5m 2=2.0m 3=3.0m S=other	0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 5=ST/PC 6=LC/PC 7=LC/APC 8=E2000 APC S=other