


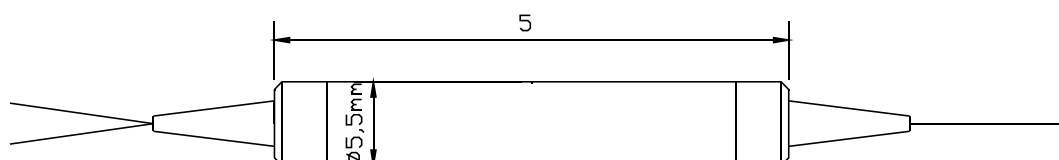
Polarization Insensitive Optical Circulator

Features	
High isolation & High Return Loss	
Low insertion loss & PDL	
Optical Path Epoxy Free	
Application	
EDFA, DWDM and OTDR	
DWDM and OADM networks	
Bi-directional transmission system	

Specifications

Parameter		Type	3 Port		4 Port
Operating wavelength (nm)			1310, 1550, 1585 (+/-30nm)	C+L (1520~1620)	1310, 1550, 1585 (+/-30nm)
Isolation ($\lambda_c, 23^\circ\text{C}$ all sop) (dB)			≥ 40	≥ 40	≥ 40
Isolation (Over all λ_c, T , sop) (dB)			≥ 35	≥ 30	≥ 35
Insertion Loss ($\lambda_c, 23^\circ\text{C}$ all sop) (dB)	Grade	Grade P	≤ 0.8	≤ 1.1	≤ 0.8
		Grade A	≤ 1.0	≤ 1.2	≤ 1.0
PDL (dB)	Grade	Grade P	0.10		0.15
		Grade A	0.15		0.20
Return loss (dB)			≥ 50		
TDL (dB)			≤ 0.15		
WDL (dB)			0.2dB(1310,1550,L band) /0.4dB (C+L band)		
PMD (ps)			≤ 0.05		
Directivity			≥ 50		
Power handling (mW)			≤ 500		
Fiber Type			SMF-28e		
Operating temperature ($^\circ\text{C}$)			0 ~ +70		
Storage temperature ($^\circ\text{C}$)			-40 ~ +85		
Dimensions (mm)			$\phi 5.5 \times L50$		$\phi 5.5 \times L64$

Package Dimension





Ordering Information

CIR	Type	Grade	Wavelength	Pigtail Type	Length	Fiber Type	Connector
	3=3 Port 4=4 Port	P A	1310 1550 C+L XX: Other	250=250um bare fiber 900=900um loose tube 3000=3mm loose tube	1= 1m	1=SMF-28e	NE=None FC=FC/UPC SC=SC/UPC FA=FC/APC SA=SC/APC ST=ST/UPC LC=LC/UPC xx=Others