

# Standard Polarization- Optical Isolator

## Features

Wide Operating Wavelength & Temperature  
 Low Insertion Loss  
 High Isolation  
 Low PDL & PMD

## Applications

CATV Fiber Optics Link  
 WDM & DWDM Systems  
 Fiber Optic Instruments  
 Transmitters & Fiber Laser

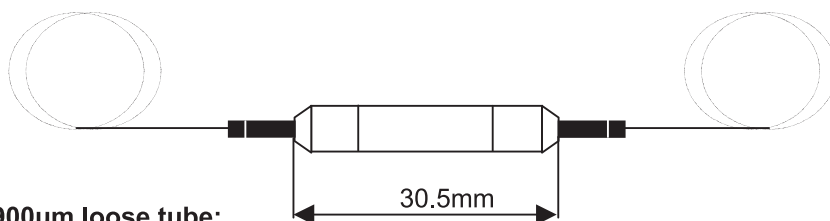


## Performance Specifications

Parameters		Single Stage		Dual stage		Unit
Operating Wavelength		1310,1480,1550,1600				nm
Grade		P	A	P	A	
Isolation( $\lambda_c \pm 20\text{nm}$ , 23°C, all SOP)		$\geq 27$	$\geq 23$	$\geq 50$	$\geq 45$	dB
Isolation( $\lambda_c \pm 20\text{nm}$ , 0~70°C, all SOP)		$\geq 20$	$\geq 16$	$\geq 40$	$\geq 35$	dB
Insertion Loss( $\lambda_c \pm 20\text{nm}$ , 23°C, all SOP)		$\leq 0.3$	$\leq 0.4$	$\leq 0.4$	$\leq 0.6$	dB
Insertion Loss( $\lambda_c \pm 20\text{nm}$ , 0~70°C, all SOP)		$\leq 0.5$	$\leq 0.6$	$\leq 0.6$	$\leq 0.8$	dB
PDL		$\leq 0.05$	$\leq 0.1$	$\leq 0.1$	$\leq 0.15$	dB
PMD		$\leq 0.25$	$\leq 0.25$	$\leq 0.05$	$\leq 0.05$	ps
Return Loss		$\geq 60$	$\geq 55$	$\geq 60$	$\geq 55$	dB
Power Handling		300				mW
Operating Temperature		0~70				°C
Storage Temperature		-40~85				°C
Package Dimension	Bare Fiber	$\Phi 5.5 \times 30.5$				mm
	900um Loose Tube	$\Phi 5.5 \times 35$				

## Mechanical Dimensions(mm)

Bare fiber:



900um loose tube:

