

Polarization Insensitive Isolator

Features

- Wide Operating Wavelength
- High isolation & Low insertion loss
- Low PDL
- High stability and reliability



Applications

- EDFA & Testing instruments
- Transmitters & Fiber Laser
- WDM & DWDM System

Specifications

Parameters	Single Stage		Dual Stage	
	P	A	P	A
Operating wavelength (nm)	1310, 1480, 1550, 1590			
Peak isolation (dB)	42	40	58	55
Isolation ($\lambda_c \pm 15\text{nm}$, 23°C all sop) (dB)	≥ 28	≥ 26	≥ 48	≥ 45
Typ. IL ($\lambda_c \pm 20\text{nm}$, 23°C all sop)	0.35	0.40	0.40	0.60
Insertion Loss ($\lambda_c \pm 20\text{nm}$, -5~+70°C all sop)	≤ 0.50	≤ 0.70	≤ 0.55	≤ 0.90
PDL at 23°C (dB)	≤ 0.05	≤ 0.1	≤ 0.1	≤ 0.15
PMD (ps)	≤ 0.2	≤ 0.25	≤ 0.05	≤ 0.07
Return loss (dB)	$\geq 60/55$	$\geq 60/55$	$\geq 60/55$	$\geq 60/55$
Power handling (mW)	≤ 500			
Fiber Type	SMF-28e			
Operating temperature (°C)	0 ~ +70			
Storage temperature (°C)	-40 ~ +80			
Dimensions (mm)	$\phi 5.5 \times L35$			

Dimensions (Unit: mm)

