



Key Features

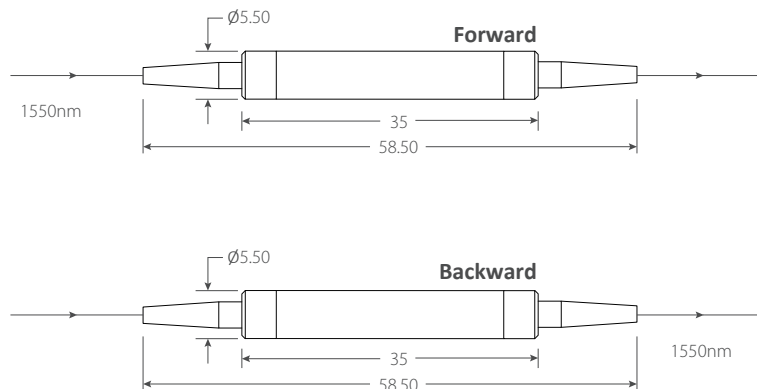
- Low loss
- Excellent environmental and mechanical stability
- Offering compact mechanical packages

Applications

- Long-haul telecommunication
- Digital, hybrid, and AM-video system
- CATV systems and fiber optic sensor
- High-speed local area network



Dimensions



Unit: mm

Parameter Specifications

	Single Stage PMD	Grade P	Grade A	Dual Stage Grade A	Grade A
Minimum Isolation (Wavelength $\pm 20\text{nm}$, 23°C, All Sop)	$\geq 28\text{dB}$	$\geq 30\text{dB}$	$\geq 28\text{dB}$	$\geq 28\text{dB}$	$\geq 45\text{dB}$
Minimum Isolation (Wavelength $\pm 20\text{nm}$, 0°C ~ 70°C, All Sop)	$\geq 20\text{dB}$	$\geq 22\text{dB}$	$\geq 20\text{dB}$	$\geq 20\text{dB}$	$\geq 32\text{dB}$
Insertion Loss (Wavelength +20nm, 23°C, All Sop)	$\leq 0.4\text{dB}$	$\leq 0.3\text{dB}$	$\leq 0.4\text{dB}$	$\leq 0.4\text{dB}$	$\leq 0.6\text{dB}$
Insertion Loss (Wavelength +20nm, 0°C ~ 70°C, All Sop)	$\leq 0.6\text{dB}$	$\leq 0.5\text{dB}$	$\leq 0.6\text{dB}$	$\leq 0.6\text{dB}$	$\leq 0.8\text{dB}$
Polarization Dependent Loss	$\leq 0.15\text{dB}$	$\leq 0.1\text{dB}$	$\leq 0.15\text{dB}$	$\leq 0.15\text{dB}$	$\leq 0.15\text{dB}$
Polarization Mode Dispersion	$\leq 0.05\text{ps}$	$\leq 0.25\text{ps}$	$\leq 0.25\text{ps}$	$\leq 0.25\text{ps}$	$\leq 0.05\text{ps}$
Return Loss	$\geq 55\text{dB}$	$\geq 60\text{dB}$	$\geq 55\text{dB}$	$\geq 55\text{dB}$	$\geq 55\text{dB}$
Operating Wavelength Range	1310/1480/1550/1600nm				
Fiber Type	G 657 A1 Fiber				
Dimension Bare Fiber/ 900um Loose Tube	$\phi 5.5 \times 30.5\text{mm} / \phi 5.5 \times 35\text{mm}$				

Note:
The above parameters do not include a connector,
which is less than 0.2dB for a pair of connector.

Operating Conditions

Maximum Power Handling	500mW
Operating Temperature	-5°C ~ +70°C
Storage Temperature	-40°C ~ +85°C
Operation Humidity	5% to 95% Relative Humidity

