



Key Features

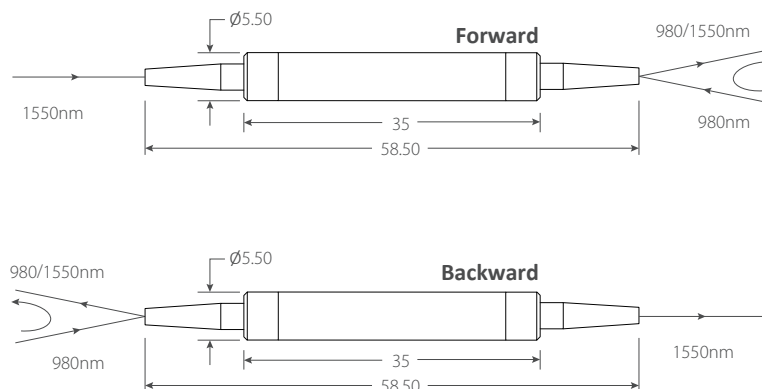
- Low loss
- High isolator
- Low polarization sensitivity
- Excellent environmental and mechanical stability

Applications

- Fiber optic amplifier
- CATV fiber optic link
- Fiber optic system testing
- Fiber optic lan system
- Telecommunication



Dimensions



Unit: mm

Parameter Specifications

Parameter Specifications	Single Stage	Dual Stage
Signal Wavelength Range (at λ_s)	1528 ~ 1565nm	1528 ~ 1565nm
Pump Wavelength Range (at λ_p)	965 ~ 995nm	965 ~ 995nm
Insertion Loss (at λ_s)	≤ 1.2 dB	≤ 1.3 dB
Isolation (at λ_s)	≥ 21 dB	≥ 36 dB
Transmission Isolation of WDM (at λ_p)	≥ 30 dB	≥ 30 dB
Reflection Isolation of WDM (at λ_s)	≥ 15 dB	≥ 15 dB
Insertion Loss (at λ_p)	≤ 0.6 dB	≤ 0.8 dB
Polarization Dependent Loss	≤ 0.1 dB	≤ 0.15 dB
Polarization Mode Dispersion	≤ 0.25 ps	≤ 0.05 ps
Return Loss	≥ 50 dB	≥ 50 dB
Directivity	≥ 55 dB	≥ 55 dB
Fiber Type	Flexcor 1060 fiber at common/ pump port G657A1 fiber at signal port	
Dimension Bare Fiber/ 900um Loose tube	$\phi 5.5 \times 35 / \phi 5.5 \times 40$ 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

