

ISOLATOR HYBRID: WDM + ISOLATOR

(1480/1550, 1480/1590nm)

Specifications

Contact Ascentta with your custom specification needs.

| Parameter | | Unit | Single Stage | Dual Stage | | |
|------------------------|-----------------------------------|-----------------------|---------------------|------------|------|-----|
| Signal Channel | Wavelength | | 1550±20, or 1590±20 | | | |
| | Isolation (All SOP) | (λ_c , 23°C) | Typ. | dB | 40 | 50 |
| | | (23°C) | Min | dB | 30 | 44 |
| | Channel Isolation (23°C, All SOP) | Min | dB | 30 | | |
| | Insertion Loss All (SOP) | (23°C) | Typ | dB | 0.7 | 0.8 |
| (-5 to 70°C) | | Max | dB | 0.9 | 1.0 | |
| Pump Channel | Wavelength | | 1480±20 | | | |
| | Channel Isolation (23°C, All SOP) | Min | dB | 14 | | |
| | Insertion Loss (All SOP) | (23°C) | Typ | dB | 0.4 | |
| (-5 to 70°C) | | Max | dB | 0.6 | | |
| PDL | | Max | dB | 0.1 | | |
| PMD | | Max | ps | 0.1 | 0.05 | |
| Return Loss | | Min | dB | 55 | | |
| Directivity | | Min | dB | 60 | | |
| Optical Power Handling | | | mW | 300 | | |
| Package Dimension | | | mm | Φ5.5 x L35 | | |
| Operation Temperature | | | °C | -5 to 70 | | |
| Storage Temperature | | | °C | -40 to 85 | | |

* The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & PDL.
 * SOP=State of Polarization

Ordering Information

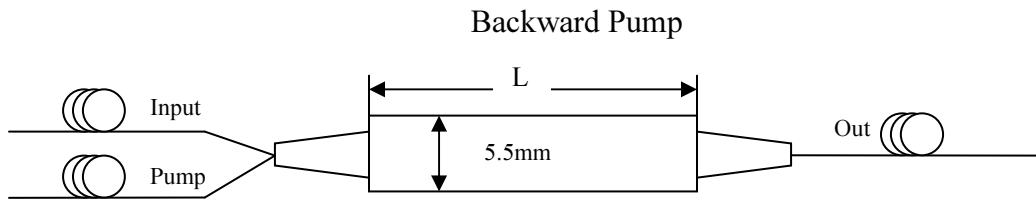
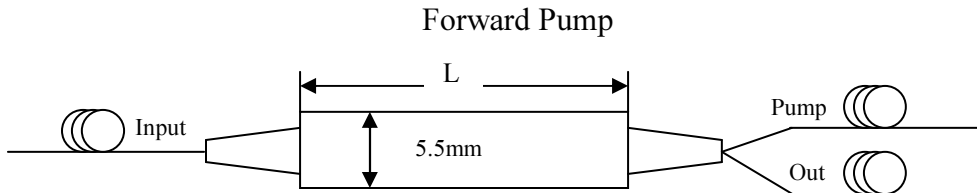
Contact Ascentta with your custom configuration needs.

| IWDM | Wavelengths | Stages | Pump Type | Fiber Type | Fiber Length | Connector |
|------|--|--------------------------------|-----------------------------------|---|--|--|
| IWDM | 95=980/1550nm 99=980/1590nm 45=1480/1550nm 49=1480/1590nm | S=Single Stage D=Dual Stage | F=Forward Pump B=Backward Pump | B=SMF-28, 250um L= SMF-28, 900um X=Others | 10=1.0m 15=1.5m 20=2.0m 30=3.0m X=Others | NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC X=Others |
| | X=Others | | | | | |

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Package Dimensions



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