

## TECHNICAL DATASHEET

# 780-2050nm Fiber Optic Polarizer

|                |                         |
|----------------|-------------------------|
| Product family | Couplers & Polarization |
| Key selection  | 780-2050nm              |

## Technical Specifications

| Parameter                       | Unit | Specification            | -    | -    | -    | -   | -   | -   |
|---------------------------------|------|--------------------------|------|------|------|-----|-----|-----|
| Center Wavelength               | nm   | 2000                     | 1550 | 1310 | 1064 | 980 | 850 | 780 |
| Operating Wavelength Range      | nm   | ±50                      | ±50  | ±50  | ±30  | ±10 | ±10 | ±10 |
| Typical Insertion Loss @ 23°C   | dB   | 0.8                      | 0.3  | 0.3  | 0.5  | 0.6 | 0.6 | 0.6 |
| Maximum Insertion Loss @ 23°C   | dB   | 1.0                      | 0.5  | 0.5  | 0.7  | 0.8 | 0.8 | 0.8 |
| Minimum Return Loss             | dB   | 50                       | 50   | 50   | 50   | 50  | 50  | 50  |
| Typical Extinction Ratio @ 23°C | dB   | 22                       | 30   | 30   | 30   | 30  | 28  | 28  |
| Minimum Extinction Ratio@23°C   | dB   | 20                       | 28   | 28   | 28   | 28  | 25  | 25  |
| Input & Output Fiber Type       | /    | SM→SMor SM→PM<br>orPM→PM | -    | -    | -    | -   | -   | -   |
| Maximum Optical Power (CW)      | mW   | 300                      | -    | -    | -    | -   | -   | -   |
| Maximum Tensile Load            | N    | 5                        | -    | -    | -    | -   | -   | -   |
| Operating Temperature           | °C   | -5 to +70                | -    | -    | -    | -   | -   | -   |
| Storage Temperature             | °C   | -40 to +85               | -    | -    | -    | -   | -   | -   |

## Configuration Notes

Available wavelength, optical power, fiber, connector, pigtail and package options depend on the selected product configuration. Please include the target application and quantity with your RFQ. Final ordering details are confirmed in the quotation.

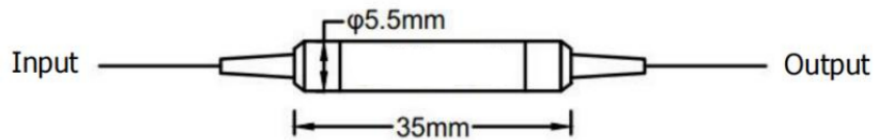
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# Package Dimensions

## 780-2050nm Fiber Optic Polarizer

Package reference: Dia. 5.5x35

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Dimensions are shown in millimetres unless otherwise indicated. Final package, pigtail and connector configuration should be confirmed in the quotation.