

## TECHNICAL DATASHEET

# 780-2050nm 20W High Power PM Fused Coupler

|                       |                         |
|-----------------------|-------------------------|
| <b>Product family</b> | Couplers & Polarization |
| <b>Key selection</b>  | 780-2050nm / 20W / PM   |

## Technical Specifications

| Parameter                | -                 | Unit | Specification       | -              | -             | -           |
|--------------------------|-------------------|------|---------------------|----------------|---------------|-------------|
| Center Wavelength        | -                 | nm   | 2050,2000,1950      | 1550,1480,1310 | 1064,1030,980 | 850,808,780 |
| Operating Bandwidth      | -                 | nm   | ±15                 | ±15            | ±10           | ±10         |
| Maximum Excess Loss      | -                 | dB   | 0.8                 | 0.5            | 0.6           | 0.8         |
| Minimum Extinction Ratio | -                 | dB   | 16                  | 20             | 20            | 18          |
| Minimum Directivity      | -                 | dB   | 50                  | -              | -             | -           |
| Minimum Return Loss      | -                 | dB   | 55                  | -              | -             | -           |
| Maximum Optical Power    | -                 | W    | 5,10,20 orSpecified | -              | -             | -           |
| Package Dimensions       | Input power <10 W | mm   | dia. 3x60           | -              | -             | -           |
| -                        | Input power ≤20 W | mm   | 70x12x8             | -              | -             | -           |
| Operating Temperature    | -                 | °C   | -5 to +75           | -              | -             | -           |
| Storage Temperature      | -                 | °C   | -40 to +85          | -              | -             | -           |
| Coupling Ratio Tolerance | -                 | -    | -                   | -              | -             | -           |
| Coupling Ratio           | 50                | %    | ±3.0                | -              | -             | -           |
| -                        | 40                | %    | ±2.5                | -              | -             | -           |
| -                        | 30                | %    | ±2.0                | -              | -             | -           |
| -                        | 20                | %    | ±1.5                | -              | -             | -           |
| -                        | 10                | %    | ±1.0                | -              | -             | -           |
| -                        | 5                 | %    | ±0.7                | -              | -             | -           |

| Parameter | - | Unit | Specification | - | - | - |
|-----------|---|------|---------------|---|---|---|
| -         | 1 | %    | ±0.3          | - | - | - |

### 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.

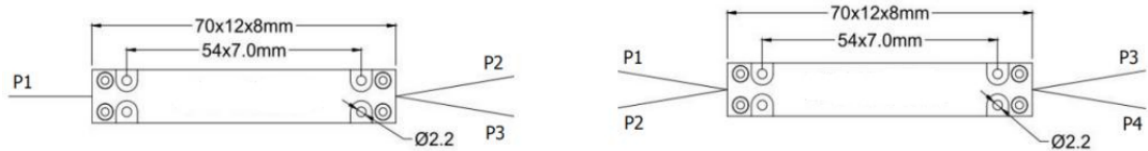
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# Package Dimensions

## 780-2050nm 20W High Power PM Fused Coupler

Package reference: Dia. 3x60 / 70x12x8 / Dia. 3.0x60

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