

## 100GHz DWDM Module (ITU Grid Wavelengths)

### Specifications

Contact Hengyan Photonics with your custom specification needs.

| Parameter              |                                |                              |     | Unit | 2-Ch      | 4-Ch | 8-Ch | 16-Ch | 32-Ch | 40-Ch |      |
|------------------------|--------------------------------|------------------------------|-----|------|-----------|------|------|-------|-------|-------|------|
| Wavelength             |                                |                              |     | nm   | ITU Grid  |      |      |       |       |       |      |
| Channel                | Bandwidth (@0.5dB)             |                              | Min | nm   | 0.22      |      |      |       |       |       |      |
|                        | Ripple                         |                              | Max | dB   | 0.5       |      |      |       |       |       |      |
|                        | Isolation                      | Adjacent (23°C, All SOP)     |     | Min  | dB        | 25   |      |       |       |       |      |
|                        |                                | Non-adjacent (23°C, All SOP) |     | Min  | dB        | 45   |      |       |       |       |      |
|                        | Insertion Loss (23°C, All SOP) |                              |     | Typ. | dB        | 1.4  | 1.6  | 1.6   | 3.8   | 4.8   | 5.2  |
| Max                    |                                |                              |     | dB   | 1.6       | 1.8  | 3.2  | 4.2   | 5.4   | 6.0   |      |
| Uniformity             |                                |                              |     | Max  | dB        | 0.5  | 0.6  | 1.0   | 1.5   | 2.0   | 2.0  |
| PDL                    |                                |                              |     | Max  | dB        | 0.10 | 0.15 | 0.2   | 0.25  | 0.30  | 0.30 |
| PMD                    |                                |                              |     | Max  | ps        | 0.10 | 0.10 | 0.10  | 0.15  | 0.15  | 0.15 |
| Return Loss            |                                |                              |     | Min  | dB        | 45   |      |       |       |       |      |
| Directivity            |                                |                              |     | Min  | dB        | 50   |      |       |       |       |      |
| Optical Power Handling |                                |                              |     | Max  | mW        | 300  |      |       |       |       |      |
| Package Dimension      |                                |                              |     | L    | mm        | 100  | 100  | 100   | 120   | 150   | 150  |
|                        |                                |                              |     | W    |           | 80   | 80   | 80    | 80    | 95    | 110  |
|                        |                                |                              |     | H    |           | 10   | 10   | 10    | 18    | 19    | 19   |
| Operation Temperature  |                                |                              |     | °C   | -5 to 65  |      |      |       |       |       |      |
| 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

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| DWDM | Channel Spacing      | Channels                                                          | Configuration    | Start ITU Channel                   | Fiber Type                                          | Fiber Length                             | Connector                                                                                      | Express Port        |
|------|----------------------|-------------------------------------------------------------------|------------------|-------------------------------------|-----------------------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------------|---------------------|
| DWDM | 1=100GHz<br>2=200GHz | 02=2-Ch<br>04=4-Ch<br>08=8-Ch<br>16=16-Ch<br>32=32-Ch<br>40=40-Ch | M=Mux<br>D=DeMux | 21=ITU 21<br>22=ITU 22<br>23=ITU 23 | B=SMF-28, 250um<br>L=SMF-28, 900um<br>H=SMF-28, 3mm | 10=1.0m<br>15=1.5m<br>20=2.0m<br>30=3.0m | NE=None<br>FA=FC/APC<br>FC=FC/PC<br>SA=SC/APC<br>SC=SC/PC<br>ST=ST/PC<br>LA=LC/APC<br>LC=LC/PC | E=With Express Port |
|      |                      | X=Others                                                          |                  | X=Others                            | X=Others                                            | X=Others                                 | X=Others                                                                                       |                     |

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**Package Dimensions**

