

## 200Ghz DWDM Module (DWDM)

| Features                                                                                                  |  |
|-----------------------------------------------------------------------------------------------------------|--|
| Low Insertion Loss<br>High Channel Isolation<br>High stability and reliability<br>Epoxy Free Optical Path |  |
| Application                                                                                               |  |
| DWDM Network<br>Wavelength Routing<br>Fiber Optical Amplifier<br>CATV Fiberoptic System                   |  |

### Specifications

| Type                                            |       |              | 4 ch                                             | 8 ch  | 16ch   |
|-------------------------------------------------|-------|--------------|--------------------------------------------------|-------|--------|
| Parameter                                       |       |              |                                                  |       |        |
| Channel Wavelength (nm)                         |       |              | ITU 200 GHz Grid                                 |       |        |
| Center Wavelength Accuracy (nm)                 |       |              | ± 0.1                                            |       |        |
| Minimum Channel Spacing (GHz)                   |       |              | 200                                              |       |        |
| Channel Passband (@-0.5dB bandwidth) (nm)       |       |              | > 0.5                                            |       |        |
| Insertion Loss (dB)                             |       |              | < 1.5                                            | < 3.0 | < 6.0  |
| Channel Uniformity (dB)                         |       |              | < 1.0                                            | < 1.0 | < 2.5  |
| Channel Ripple (dB)                             |       |              | < 0.5                                            |       |        |
| Isolation                                       | Mux   | Adjacent     | N/A                                              |       |        |
|                                                 |       | Non-adjacent | N/A                                              |       |        |
|                                                 | Demux | Adjacent     | > 30                                             |       |        |
|                                                 |       | Non-adjacent | > 40                                             |       |        |
| Insertion Loss Temperature Sensitivity (dB/°C ) |       |              | < 0.003                                          |       |        |
| Wavelength Temperature Shifting (nm/°C )        |       |              | < 0.002                                          |       |        |
| Polarization Dependent Loss (dB)                |       |              | < 0.10                                           |       | < 0.15 |
| Polarization Mode Dispersion (ps)               |       |              | < 0.10                                           |       |        |
| Directivity (dB)                                |       |              | > 50                                             |       |        |
| Return Loss (dB)                                |       |              | > 45                                             |       |        |
| Power Handling (mW)                             |       |              | 300                                              |       |        |
| Operating Temperature (°C)                      |       |              | 0 ~+70                                           |       |        |
| Storage Temperature (°C)                        |       |              | -40 ~+85                                         |       |        |
| Package Dimension (mm)                          |       |              | 100x80x10(ABS box)<br>110 x 95 x 7.5 (Metal Box) |       |        |



**Ordering Information:**

| DWDM | Type             | Spacing      | Channel Type              | 1 <sup>st</sup> ITU Channel            | Pigtail Type                                                                | Fiber Type    | Length                 | Connector                                                                                                      |
|------|------------------|--------------|---------------------------|----------------------------------------|-----------------------------------------------------------------------------|---------------|------------------------|----------------------------------------------------------------------------------------------------------------|
|      | M=Mux<br>D=Demux | 2=200G<br>hz | 4=4ch<br>8=8ch<br>16=16ch | 21=21ch<br>22=22ch<br>.....<br>60=60ch | 900=900um<br>loose tube<br>2000=2mm<br>loose tube<br>3000=3mm<br>loose tube | 1=SMF-<br>28e | 1= 1m<br>X=Spe<br>cify | NE=None<br>FA=FC/APC<br>FC=FC/UPC<br>SA=SC/APC<br>SC=SC/UPC<br>LC=LC/UPC<br>LA=LC/APC<br>MU=MU/UPC<br>XX=Other |