

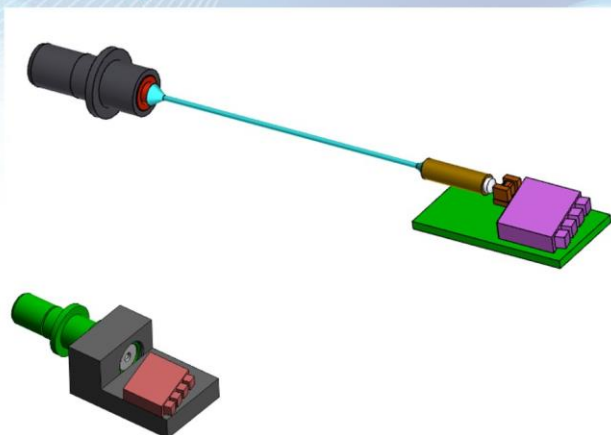
## MUX Assembly

### Features

- High integration assembly
- High optical parallel and position
- High reliability

### Applications

- 100G/200G/400G+ optical transceiver
- Datacenter



### Main Specifications

| Parameter                      |        | Min    | Typical       | Max    | Unit |
|--------------------------------|--------|--------|---------------|--------|------|
| Typical Size                   |        |        | Customization |        | mm   |
| Optical Line Pitch             |        | 0.5    | 1.2           | 3.0    | mm   |
| Wavelength Range               |        | 1260   |               | 1340   | nm   |
| Pass Band                      | Lane 0 | 1264.5 | 1271          | 1277.5 | nm   |
|                                | Lane 1 | 1284.5 | 1291          | 1297.5 | nm   |
|                                | Lane 2 | 1304.5 | 1311          | 1317.5 | nm   |
|                                | Lane 3 | 1324.5 | 1331          | 1337.5 | nm   |
| Pass Band Insertion Loss       |        |        |               | 1.0    | dB   |
| Pass Band Flatness             |        |        |               | 0.5    | dB   |
| Adjacent Channel Isolation     |        | 20     |               |        | dB   |
| Non-Adjacent Channel Isolation |        | 35     |               |        | dB   |
| Positional accuracy            |        | -50    |               | 50     | um   |
| Pitch accuracy                 |        | -50    |               | 50     | um   |
| Fiber type                     |        |        | 350           |        | um   |
| Effective Aperture             |        |        | Φ1.0          |        | mm   |
| Parallel of All Beams          |        |        |               | 0.2    | °    |
| Optical Surface Scratch/Dig    |        |        | 40/20         |        |      |
| Edge Chipping                  | Filter |        |               | 0.1    | mm   |
|                                | Other  |        |               | 0.2    | mm   |
| Corner Chipping                | Filter |        |               | 0.15   | mm   |
|                                | Other  |        |               | 0.3    | mm   |

|                       |     |    |    |    |
|-----------------------|-----|----|----|----|
| Storage Temperature   | -40 | 25 | 90 | °C |
| Operating Temperature | -5  | 45 | 80 | °C |

### Order Information

**The above specifications represent the typical performance of an O -Net MUX Assembly.**

**Please contact our Sales to discuss your specific requirements.**