

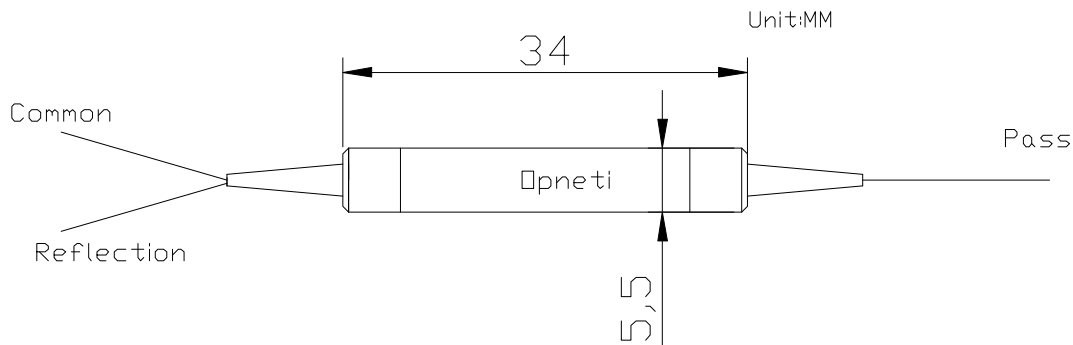
## 1x2 PON Filter WDM

|                                |  |
|--------------------------------|--|
| <b>Features</b>                |  |
| Wide pass band                 |  |
| Low insertion loss             |  |
| High channel isolation         |  |
| High stability and reliability |  |
| <b>Application</b>             |  |
| FTTH                           |  |
| PON                            |  |

### Specifications

| Parameter                                 | 1×2 FWDM                   |
|---|----------------------------|
| Central wavelength (nm)                   | 1310, 1490, 1550           |
| Operating Wavelength (nm)                 | 1310±40, 1490±10 , 1550±10 |
| Pass/Reflection wavelength (nm)           | On customer request        |
| Pass band insertion loss (nm)             | ≤0.8 (0.6 typical)         |
| Reflection band insertion loss (dB)       | ≤0.6 (0.4 typical)         |
| Pass band isolation(dB)                   | ≥30                        |
| Reflection band isolation(dB)             | ≥15                        |
| Directivity(dB)                           | ≥55                        |
| Return loss(dB)                           | ≥50                        |
| PDL ( dB)                                 | ≤0.1                       |
| Wavelength thermal stability (nm/ °C)     | ≤0.003                     |
| Insertion loss thermal stability (dB/ °C) | ≤0.005                     |
| Power handling (mW)                       | ≤500                       |
| Operating temperature(°C)                 | 0 ~ +70                    |
| Storage temperature(°C)                   | -40 ~ +85                  |
| Dimensions (mm)                           | Φ5.5× L34                  |

### Package Dimensions



**Ordering Information:**

| FWDM | Port Type | Wavelength   | Pigtail Type  | Fiber Type | Length             | Connector   |
|------|-----------|--|---|------------|--------------------|---|
|      | 1x2       | T1550/R1310,1490<br>T1490/R1310,1550<br>T1310,1490/R1550<br>T1490,1550/R1310 | 250=250um bare fiber<br>900=900um loose tube<br>3000=3mm loose tube | 1=SMF-28e  | 1= 1m<br>X=Specify | 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>XX=Other |