

# 1310/1550nm High Isolation Fused WDM

Kerns Technology | [www.kernsoptic.com](http://www.kernsoptic.com) | Email: [jenny@kernsoptic.com](mailto:jenny@kernsoptic.com)

## Product Overview

KernsTech 1310/1550nm High Isolation Fused WDM for . Technical values are manually checked against the master catalog and English translation reference.

|                                                |              |
|------------------------------------------------|--------------|
| Features                                       | Applications |
| High Isolation; High stability and reliability |              |

## Technical Specifications

| Parameter                   | Specification                                                  | Unit |
|-----------------------------|----------------------------------------------------------------|------|
| Type                        | Normal Size SWDM / Mini Size SWDM / High Isolation HWDM        | -    |
| Wavelength                  | 1310 / 1550                                                    | nm   |
| Bandwidth                   | ±15                                                            | nm   |
| Grade                       | Normal: P/A; Mini: P/A; HWDM: P                                | -    |
| Insertion Loss              | Normal ≤0.2/≤0.3; Mini ≤0.25/≤0.35; HWDM ≤0.5                  | dB   |
| Isolation                   | Normal ≥17/≥16; Mini ≥17/≥16; HWDM ≥40                         | dB   |
| Polarization Dependent Loss | Normal ≤0.05/≤0.10; Mini ≤0.08/≤0.12; HWDM ≤0.10               | dB   |
| Return Loss                 | ≥55                                                            | dB   |
| Directionality              | ≥55                                                            | dB   |
| Operating Temperature       | 0 to +70                                                       | °C   |
| Storage Temperature         | -40 to +85                                                     | °C   |
| Port Type                   | 1x2 or 2x2                                                     | -    |
| Package Options             | dia. 3.0x54 / 3.0x40 / 3.0x60 / 2.4x30 / 90x20x9.5 / 100x80x10 | mm   |

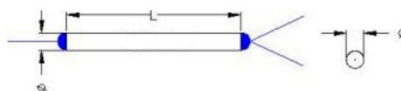
For wavelength, fiber, connector, package and quotation configuration, use the Component Finder at [www.kernsoptic.com/contacts](http://www.kernsoptic.com/contacts). Final special configurations are subject to engineering review.

Specifications Without connector. For devices with connector, IL is 0.3dB higher and RL is 5dB lower.

## Package Dimensions

| 端口类型 |     | 1×2 or 2×2 |                    |                  |                  |                          |
|------|-----|------------|--------------------|------------------|------------------|--------------------------|
| 尾纤类型 |     |            | 250μm bare fiber   | 900μm loose tube | 250μm bare fiber | 0.9mm/2mm/3mm loose tube |
| 封装尺寸 | WDM | mm         | Φ3.0×54<br>Φ3.0×40 | Φ3.0×5 4         | Φ2.4×30          | HWDM 100x80x10           |

规格不含连接器。对于带连接器的器件，IL高0.3dB,RL低5dB.



### 订购信息

WDM 1310/1550nm 1x2

Package / routing drawing extracted from KernsTech master catalog page 97. Final package is confirmed during Engineering Review.