# Pluggable Filter WDM with Retro Reflect

**CORNING**

## Features and Benefits

| |
|---|
| Low Insertion Loss |
| High Isolation |
| Thin Film Coating with Versatile Wavelength Management |
| Epoxy-Free Optical Path |
| Ultra Stable and Highly Reliable |

## Standards

| | |
|---|---|
| **RoHS** | Free of hazardous substances according to RoHS2011/65/EU |
| **Design and Test Criteria** | Product is qualified to Telcordia GR-1209-CORE and GR-1221-CORE |

Corning's pluggable filter WDM with retro reflect is designed as a miniature stand-alone device at ONU to block and reflect certain deployed wavelength for the service provider. This compact device features versatile functionality with great convenience to meet rapidly increasing NG-PON and access network applications.



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## Specifications

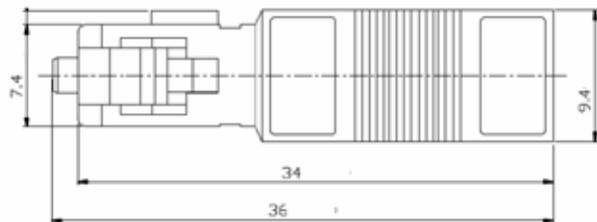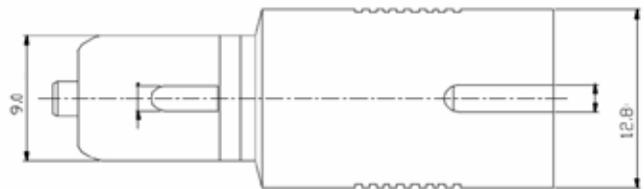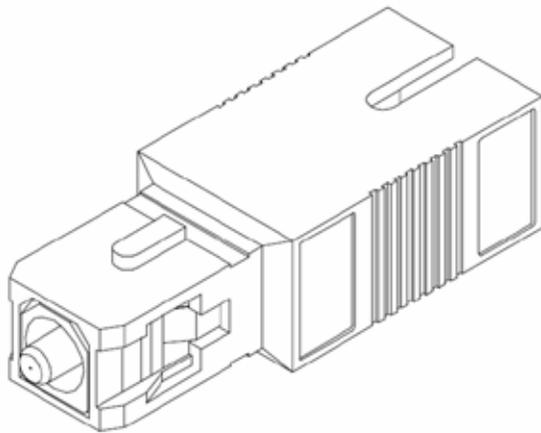| Parameters | Minimum | Maximum |
|---|---|---|
| 1310 + 1550 Wavelength Range (PASS) | 1260 nm | 1360 nm |
|  | 1460 nm | 1581 nm |
| 1625 Wavelength Range (Retro-Reflect) | 1610 nm | 1660 nm |
| Pass Band Insertion Loss Tested in Pass Port* |  | 1.2 dB |
| Pass Band 1260-1360 Return Loss Tested in Common Port | 18 dB |  |
| Pass Band 1460-1581 Return Loss Tested in Common Port | 17 dB |  |
| Reflect Band Signal Tested in Pass Port | 17 dB |  |
| Reflect Band Tested in Common Port |  | 1.0 dB |
| PDL** |  | 0.4 dB |
| Ripple** |  | 0.6 dB |
| TDL** |  | 0.5 dB |
| Durability (Plug Times) | 500 |  |
| Optical Power |  | 500 mW |
| Operating Temperature Range*** | -5°C to +75°C ||
| Storage Temperature Range | -40°C to +85°C ||

## Notes:

*Insertion loss includes connector loss and covers the entire operating temperature.*
*** PDL, TDL, and ripple are for passband testing in pass port and reflect band tested in common port.*
**** If requested, this can be extended to industrial operating temperature range -40°C ~ 85°C, but insertion loss will be slightly higher.*

## Drawing

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## Ordering Information

**Pluggable Filter WDM with Retro Reflect**

# 6 6 0 - K 2 1 Z - 2 T 2 0 0

*These part numbers are specific to Corning Optical Communications OEM Solutions Business Unit. Please contact OEM sales at +1-408-736-6900 or oemsales@corning.com and visit www.corning.com/opcomm/oem for sales support.*

**RoHS COMPLIANT**

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