

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

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.

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



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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	

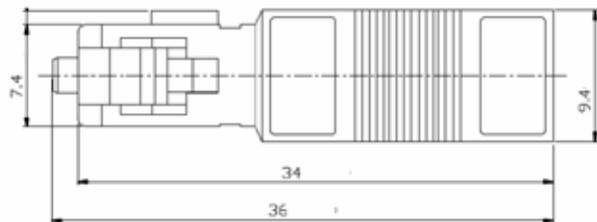
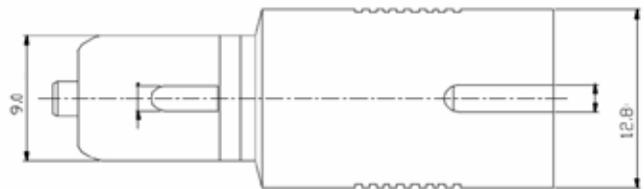
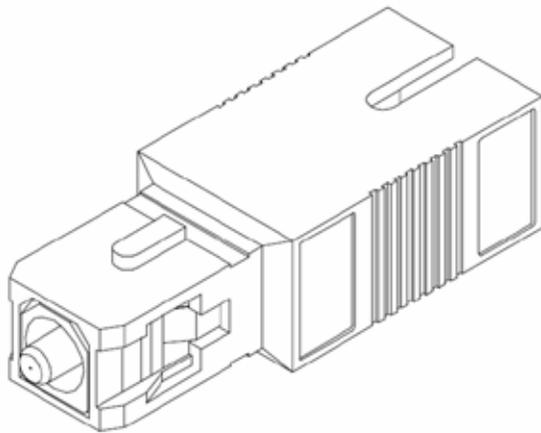
Notes:

* 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.



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