

# CEx in LGX

660-P222-4y0x0

CORNING

## Optical Specifications

Parameter	Minimum	Typical	Maximum
Quantity of CEx		x=1, 1 set x=2, 2 sets	
GPON Port Wavelength (nm)		1290-1330 & 1480-1500	
TWDM Port Wavelength (nm)		1532-1540 & 1595-1603	
PtP Port Wavelength (nm)		1610-1625	
RF Port Wavelength (nm)		1550-1560	
XGS-PON Port Wavelength (nm)		1260-1280 & 1575-1581	
GPON Port Insertion Loss (dB)			1.0
TWDM Port Insertion Loss (dB)			1.6
PtP Port Insertion Loss (dB)			1.6
RF Port Insertion Loss (dB)			1.2
XGS-PON Port Insertion Loss (dB)			1.6
Passband Ripple (dB)			0.5
GPON Port Isolation (dB)	45		
TWDM Port Isolation (dB)	30		
PtP Port Isolation (dB)	30		
Video Port Isolation (dB)	12		
XGS-PON Port Isolation(dB)	30		
Return Loss (dB)	50		
Directivity (dB)	50		
PDL (dB)			0.3
PMD (ps)			0.2
Optical Power (mW)			300

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## Environmental Specifications

Parameter	Minimum	Typical	Maximum
Operating Temperature Range (°C)		-5 to +40 (long term) -5 to +50 (short term)	
Storage Temperature (°C)	-40		+85

## Mechanical Specifications

Parameter	Minimum	Typical	Maximum
Tensile Load (N)	5		
Package Dimensions (mm)		LGX	
Connector/Adapter		y = L, GPON/TWDM/PtP/XGS Ports: LC UPC, blue RF/Common Ports: LC APC, green  y = S, GPON/TWDM/PtP/XGS Ports: SC UPC, blue RF/Common Ports: SC APC, green	
Fiber Type		Corning SMF28e+® or equivalent	
Labeling and packaging		AFOP standard	

## NOTES

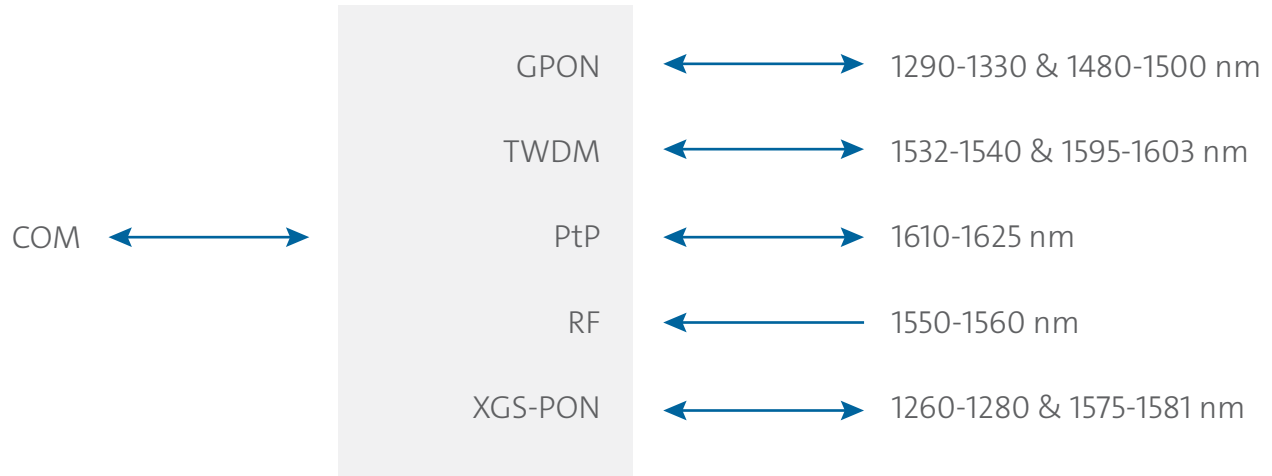
- 1) Maximum insertion includes connector loss.
- 2) Maximum insertion loss covers entire operating temperature range.
- 3) All components must be RoHS compliant.
- 4) All WDM and other fiber-based components must be compliant to their pertinent Telcordia requirements, including GR-1209, GR-1221, and others as appropriate to the specification.

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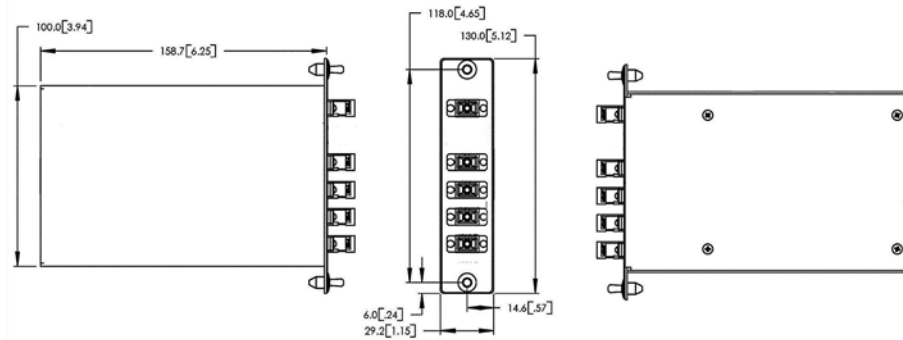


## Optical Layout



## Mechanical Drawing

unit: mm[inch]  
 Note: for dimension reference only



## Front Port labels

COM/GPON / TWDM / P2P / RF / XGS

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The CORNING logo is displayed in white, uppercase letters within a solid blue square.

These part numbers are specific to Corning Optical Communications OEM Solutions Business Unit.

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