

50 GHz Interleaver

CORNING

Features and Benefits

Low Insertion Loss

Highly Reliable and Stable

Epoxy Free in Optical Path

Wide and Flat Top Pass Band

Purely Passive, No Thermal or Electrical Inputs Needed

Corning's Interleaver can greatly expand DWDM channel counts, increasing capacity in existing DWDM transport networks. Its stability and wide pass band make it suitable for 80 channel DWDM systems. The Corning Interleaver has high isolation, low insertion loss, and low ripple. It supports both mux and demux functions.

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	Typical	Maximum
Operating Wavelength Range		1525~1565 nm	
Channel Passband Width (Even/Odd)		ITU \pm 12/5 GHz	
Channel Stop Band Width (Odd/Even)		ITU \pm 12.5 GHz	
Insertion Loss from 50 GHz Port to 100 GHz Port		1.2 dB	1.7 dB
Insertion Loss Ripple			0.5 dB
Insertion Loss Uniformity			0.5 dB
Isolation between Odd and Even Port	19 dB		
Return Loss	42 dB		
Directivity	50 dB		
PDL			0.35 dB
PMD			0.2 ps
Maximum Optical Power		500 mW	
Chromatic Dispersion with IU \pm 12.5 GHz	-120 ps/nm		+120 ps/nm

Shipping Package

Packaging Dimensions

Standard 1U LGX®

50 GHz Interleaver

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Ordering Information

50 GHz Interleaver



1 Select Type
100: 100 GHz
050: 50 GHz

2 Select Customization
0: Standard or
Running number used for customized type

3 Select Pigtail Type
2: 250 μ m Cassette
3: 900 μ m Cassette
4: LGX[®] or Rack Mount
5: 3 mm Cassette
6: 2 mm Cassette
Z: Others

4 Select Connector*
A: None
L: LC/PC
P: FC/PC
Q: FC/APC
S: SC/PC
T: SC/APC
U: MU/PC
Z: Others

5 Select Starting Channel
For Example:
NNN = 200 for starting ITU channel 20.0
NNN = 205 for starting ITU channel 20.5

Note:

* Specifications do not include connector loss.

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.



Corning Optical Communications LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-325-5060 • International: +1-408-736-6900 • www.corning.com/opcomm/oem • Email: oemsales@corning.com

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