

OSP DWDM Modules 4/8/10 Channels



Corning compact outside plant DWDM modules are designed to support spliced-in applications with up to 10 channels. The modules mechanically “clip-in” to a single splice protector slot of the intended splice tray and provide a robust installation. Color-coded buffer tubes provide identification of input, output, and channels on bare fibers to aid splicing accuracy. A single-fiber Aux port allows for the pass-through of additional express (1,260-1,530 nm and 1,570-1,660 nm) wavelengths. Other configurations are available, contact your Corning representative for custom applications.

Corning offers high-performance 100 GHz Dense WDM Multiplexers and Demultiplexers for ITU channel spacing applications. The thin-film filter DWDM series of products utilize proprietary technologies to achieve outstanding field performance.

Features and Benefits

Robust compact module with clip-in feature

Easy installation in splicing tray

Color-coded buffer tubes and bare fiber

Easy splicing identification

Single-fiber AUX port

Upgrade to additional wavelengths ITU Channels



DWDM Module

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Specifications

General Specifications

Application	CATV environments, Carrier networks, Outside plant
Product type	DWDM Outside plant modules
Fiber type	900 μ m buffer diameter, Corning® ClearCurve® ZBL

Mechanical Specifications

Type of mounting	Clip-in splice tray
Splice tray type	FOSC
Dimensions (L x W x H)	83 x 40 x 9.7 mm

Optical Performance Characteristics

Channel spacing	100 GHz
ITU Channels NN =	Starting ITU within channels 16-59 For example, NN = 52, channels 52-59

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Parameter	Minimum	Typical	Maximum
DWDM Passband Width (nm)	λITU +/-0.125		
Channel Insertion Loss (dB)			
4-channel module			2.0
8-channel module			3.0
10-channel module			3.2
Express Port Insertion Loss (dB) (1,520-1,570 nm) excluding existing DWDM channels			
4-channel module			2.2
8-channel module			3.2
10-channel module			3.5
Express Port Insertion Loss (dB) (1,260-1,520 & 1,520-1,660 nm)			
			1.2
Express Port Isolation (dB)	12	16	
Adjacent Port Isolation (dB)	30		
Non-Adjacent Port Isolation	45		
Return Loss (dB)	45		
Port Directivity (dB)	50		
Polarization Dependent Loss, PDL (dB)			0.25
Optical Power any Port (mW)			300
Ripple within Passband for All Ports (dB)			0.5

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Ordering Information

Description	Product Number	Units per Delivery
OSP DWDM 4CH 16-19 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1619-3A201	1/1
OSP DWDM 4CH 20-23 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1120-3A201	1/1
OSP DWDM 4CH 24-27 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1124-3A201	1/1
OSP DWDM 4CH 28-31 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1128-3A201	1/1
OSP DWDM 4CH 32-35 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1132-3A201	1/1
OSP DWDM 4CH 36-39 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1136-3A201	1/1
OSP DWDM 4CH 40-43 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1140-3A201	1/1
OSP DWDM 4CH 44-47 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1144-3A201	1/1
OSP DWDM 4CH 48-51 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1148-3A201	1/1
OSP DWDM 4CH 52-55 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1152-3A201	1/1
OSP DWDM 4CH 56-59 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1156-3A201	1/1
OSP DWDM 8CH 20-27 COM, EXP, CLIP-IN TRAY	CLS-53-0-DW1-1220-3A201	1/1
OSP DWDM 8CH 28-35 COM, EXP, CLIP-IN TRAY	CLS-53-0-DW1-1228-3A201	1/1
OSP DWDM 8CH 36-43 COM, EXP, CLIP-IN TRAY	CLS-53-0-DW1-1236-3A201	1/1
OSP DWDM 8CH 44-51 COM, EXP, CLIP-IN TRAY	CLS-53-0-DW1-1244-3A201	1/1
OSP DWDM 8CH 52-59 COM, EXP, CLIP-IN TRAY	CLS-53-0-DW1-1252-3A201	1/1
OSP DWDM 10CH 20-29 COM, EXP, CLIP-IN TRAY	CLS-53-0-DW1-1320-8A101	1/1
OSP DWDM 10CH 30-39 COM, EXP, CLIP-IN TRAY	CLS-53-0-DW1-1330-8A101	1/1
OSP DWDM 10CH 40-49 COM, EXP, CLIP-IN TRAY	CLS-53-0-DW1-1340-8A101	1/1
OSP DWDM 10CH 50-59 COM, EXP, CLIP-IN TRAY	CLS-53-0-DW1-1350-8A101	1/1

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Description	Product Number	Units per Delivery
OSP DWDM 4CH 21,33,44,57 CLIP-IN TRAY	CLS-50-0-DW1-1121-3A002	1/1
OSP DWDM 4CH 21,33,44,57 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1121-3A202	1/1
OSP DWDM 4CH 21,22,24,26 CLIP-IN TRAY	CLS-50-0-DW1-1121-3A003	1/1
OSP DWDM 4CH 21,22,24,26 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1121-3A203	1/1
OSP DWDM 4CH 28,33,36,39 CLIP-IN TRAY	CLS-50-0-DW1-1128-3A003	1/1
OSP DWDM 4CH 28,33,36,39 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1128-3A203	1/1
OSP DWDM 4CH 44,48,52,54 CLIP-IN TRAY	CLS-50-0-DW1-1144-3A003	1/1
OSP DWDM 4CH 44,48,52,54 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1144-3A203	1/1
OSP DWDM 4CH 57,60,61,62 CLIP-IN TRAY	CLS-50-0-DW1-1157-3A003	1/1
OSP DWDM 4CH 57,60,61,62 COM, EXP, CLIP-IN TRAY	CLS-50-0-DW1-1157-3A203	1/1
OSP DWDM 8CH 21,28,33,39,44,52,57,62 CLIP-IN TRAY	CLS-53-0-DW1-1221-3A004	1/1
OSP DWDM 8CH 21,28,33,39,44,52,57,62 COM, EXP, CLIP-IN TRAY	CLS-53-0-DW1-1221-3A204	1/1
OSP DWDM 8CH 21,22,24,26,28,33,36,39 CLIP-IN TRAY	CLS-53-0-DW1-1221-3A002	1/1
OSP DWDM 8CH 21,22,24,26,28,33,36,39 COM, EXP, CLIP-IN TRAY	CLS-53-0-DW1-1221-3A202	1/1
OSP DWDM 8CH 44,48,52,54,57,60,61,62 CLIP-IN TRAY	CLS-53-0-DW1-1244-3A002	1/1
OSP DWDM 8CH 44,48,52,54,57,60,61,62 COM, EXP, CLIP-IN TRAY	CLS-53-0-DW1-1244-3A202	1/1
OSP DWDM 4CH 21,33,44,57 CLIP-IN TRAY	CLS-50-0-DW1-1121-3A002	1/1

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