

100 GHz Dense WDM Mux & DeMux (8 Channel)

AFOP 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. Thin film filter DWDM 8 channel multiplexers and demultiplexers are available in standard ITU wavelengths from 1528 nm to 1565 nm. Custom wavelengths and channel configurations are available upon request.

APPLICATIONS

- Broadband Systems
- Optical Add/Drop Multiplexing
- Telco Networks
- Metro Networks

FEATURES

- High Isolation
- Low Insertion Loss
- Bi-Directional
- Epoxy-Free Optical Path
- Low Total Integrated Cross Talk
- Telcordia GR-1221 Qualified



SPECIFICATIONS - 100 GHz DENSE WDM MUX & DEMUX (8 CHANNEL)

Parameters	8 Channel		
	Minimum	Typical	Maximum
Center Wavelength λ_c		1528 - 1565 nm	
Passband Bandwidth	$\lambda_c \pm 0.12$ nm		
Pass Channel Insertion Loss		2.8 dB	3.5 dB
Adjacent Channel Isolation	25 dB	30 dB	
Non-Adjacent Channel Isolation	40 dB	45 dB	
Optical Return Loss	45 dB	50 dB	
Directivity	50 dB		
PDL			0.1 dB
PMD			0.1 ps
Maximum Optical Power		300 mW	
Operating Temperature		- 5°C to + 65°C	
Storage Temperature		- 40°C to + 85°C	
Tensile Load (900 μ m Buffered)		5N Maximum	

PACKAGE DIMENSIONS:

126 mm x 93 mm x 15 mm ■ Fiber Type: SMF 28e Compatible ■ Pigtail Length: 1 Meter (Standard)

ORDERING INFORMATION:

DW	1	-	N	2	-	N	C	NNN
			↓	↓		↓	↓	↓
			Mux or DeMux	Wavelength Channel		Package Type	Connector*	000: Standard
			0: Mux/DeMux Pair 1: Mux 2: DeMux	NN: According to ITU Channel with Starting Channel		2: 250 μ m Box 3: 900 μ m Box 4: Rack Mounted Module	A: None L: LC/PC P: FC/PC Q: FC/APC S: SC/PC T: SC/APC U: MU/PC	Running number used for special types or custom made

Note:

* Specifications do not include connector loss.