

## Dense Wavelength Division Multiplexer Module

Model #: DWDM

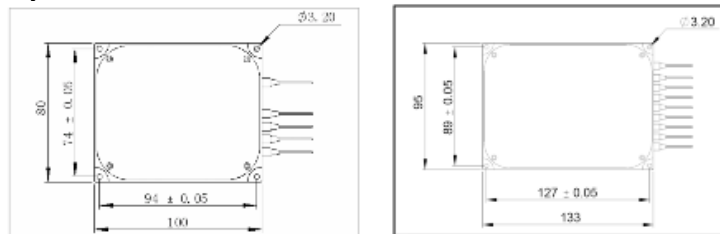
Description: Dense wavelength division multiplexer module

Application: DWDM systems

Specifications:

Parameter	Unit	Specifications					
		200 GHz			100 GHz		
		4 Ch.	8 Ch.	16 Ch.	4 Ch.	8 Ch.	16 Ch.
Pass Band Central Wavelength		ITU Grid					
Min. 0.5 dB Bandwidth	nm	0.5			0.22		
Max. Insertion Loss	dB	2.2	3.3	4.6	2.5	3.5	4.8
Passband Flatness	dB	1.0					
Channel Uniformity	dB	1.5					
Min. Channel Isolation (MUX)	dB	N/A					
Min. Channel Isolation (DEMUX)	dB	25					
Max. Polarization Dependent Loss	dB	0.1					
Max. Polarization Mode Dispersion	dB	0.1					
Min. Return Loss	dB	45					
Min. Directivity	dB	55					
Central Wavelength Stability	nm/°C	0.002					
Thermal Stability	dB/°C	0.006					
Max. Optical Power (CW)	mW	300					
Operating Temperature	°C	-5 to +70					
Storage Temperature	°C	-40 to + 85					
Dimension	mm	100 x 80 x 9.5 (4 ch.); 133 x 95 x 9.5 (8 ch.); 150 x 115 x 14 (16 ch.)					
Fiber Type		SMF-28 fiber					

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL.



### Ordering Information:

**DWDM-A-BB-C-DD-E**

A: Module Type	B: number of channels	C: channel spacing	DD: first ITU grid	E: connector type	F: fiber jacket	G: fiber length
M - MUX	04 - channels	1 - 100 GHz		1 - FC/UPC	B - 250µm bare fiber	1 - 0.5 m
D - DEMUX	08 - 8 channels	2 - 200 GHz		2 - FC/APC	L - 900 µm loss tube	X - other
	16 - 16 channels			3 - SC/UPC	C - 3 mm cable	
				4 - SC/APC	X - other	
				N - none		
				X - other		