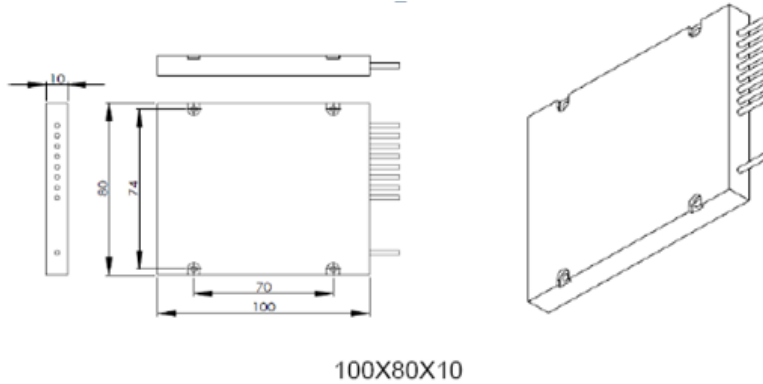


4 Channel PM DWDM Module 100G

The 4 Channel 100G Polarization Maintaining Dense Wavelength Division Multiplexer (PM DWDM Module) is based on thin-film filter technology compliant to ITU standard. It provides single channel add or drop function, or it can be cascaded into sequence for multi-channel applications in DWDM systems. 1X4, 1X8 Multi-channel are available.



Features

- ITU Standard
- Low IL & High ER
- High Channel Isolation
- Telcordia Compliant Test

Applications

- Broadband Optical System
- DWDM System
- Optical Communications
- Fiber Sensor

Performance Specification

Parameter	Value	Unit
Channel Spacing	100	GHz
Center Wavelength	ITU Grid	nm
Min. Channel Passband (@-0.5dB)	0.22 (± 0.11)	nm
Max. Insertion Loss	2.4	dB
Min. Adjacent Channel Isolation for Demux	25 (15 for Mux)	dB
Min. Non-Adjacent Channel Isolation for Demux	40 (25 for Mux)	dB
Typ. Extinction Ratio	20	dB
Min. Extinction Ratio	18	dB
Min. Directivity	50	dB
Max. Thermal Stability	0.005	dB/°C
Center Wavelength Stability	0.002	nm/°C
Min. Return Loss	45	dB
Max. Optical Power (Continuous Wave)	300	mW
Max. Tensile Load	5	N
Fiber Type	PM Panda Fiber	
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C
Package Dimension	Plastic Box 100X80X10	mm

Note

* For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.

* The PM fiber and the connector key are aligned to the slow axis.

Ordering Information

PMDWDM-AAA-BB-C-DD-E-FF-GG

AAA	BB	C	DD	E	FF	GG
Channel Spacing	Channel Number	Module Type	Initial Wavelength (ITU Grid)	Fiber Jacket	Fiber Length	Connector
100 - 100GHz	04 - 4 Channel	M - Mux	01 - CH01	B - 250um Bare Fiber	05 - 0.5m	NE - None
200 - 200GHz	08 - 8 Channel	D - Demux	02 - CH02		08 - 0.8m	FA - FC/APC
	SS - Specify		...	L - 900um Loose Tube	10 - 1.0m	FP - FC/PC
			60 - CH60		15 - 1.5m	SA - SC/APC
					SS - Specify	SP - SC/PC
						LA - LC/APC
						LP - LC/PC
						SS - Specify