PM DWDM Multi-Channel Mux/Demux Module

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Broadband Systems
- Optical Add/Drop Multiplexing
- Telecommunication Networks
- Metro Networks
- DWDM Systems

SPECIFICATIONS

Parameters		Unit	Value			
			4-Ch	8-Ch	16-Ch	32-Ch
Center Wavelength		nm	1528-1640, ITU Grid			
Channel Spacing		Hz	100G / 200G			
Channel Passband Width		nm	+/-0.11 / +/-0.25			
Insertion Loss	100G	dB	≤2.5	≤4.0	≤6.0	≤6.5
	200G	dB	≤2.2	≤3.5	≤5.5	≤6.0
Adjacent Channel Isolation		dB	≥25 for DeMux, ≥15 for Mux			
Non-adjacent Channel Isolation		dB	≥40 for Demux, ≥25 for Mux			
Optical Return Loss		dB	≥45			
Directivity		dB	≥50			
Extinction Ratio	B Type	dB	≥18		≥16	
	F Type	dB	≥20			
Working Mode	B Type	dB	Can work both in Fast Axis and Slow Axis			
	F Type	dB	Can only work in Slow Axis and Fast Axis is blocked			
Fiber Type		-	PM1550 Panda Fiber or 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G)			
Fiber Tensile Load		N	5			
Maximum Optical Power (CW)		mW	300			
Operating Temperature		°C	0~70			
Storage Temperature		°C	-40~85			
Package Dimension		mm	L160xW140xH10		L160xW160xH10	L160xW160xH20

Note: 1. Specifications are for device without connectors; Specifications may change without notice.
2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
3. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

ORDERING INFORMATION (PN)

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Channel Spacing	Channel Count	Type	Work Mode	Starting Ch. No.	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1= 100GHz	4= 4-Channel	M= Mux	B= B Type	C34= C34 Channel	2=PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
2= 200GHz	8= 8-Channel	D= DeMux	F= F Type	H40= H40 Channel	O=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	H= 16-Channel			L00= L00 Channel	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	T= 32-Channel			Q90= Q90 Channel	G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector