

PM DWDM Device for Pulse Power

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	100G	200G	
Center Wavelength	nm	1528-1640, ITU Grid		
Channel Spacing	Hz	100G	200G	
Channel Passband Width	nm	+/-0.11	+/-0.25	
Configuration	D Type	2-port Bandpass Filter		
	Y Type	3-port WDM Filter		
Pass Channel Insertion Loss	dB	≤1.50	≤1.20	
Ref. Channel Insertion Loss (Only for Y Type)	dB	≤0.80	≤0.80	
Pass Channel Adjacent Channel Isolation	dB	≥25	≥25	
Pass Channel Non-adjacent Channel Isolation	dB	≥40	≥40	
Ref. Channel Isolation (Only for Y Type)	dB	≥12	≥12	
Optical Return Loss	dB	≥45	≥45	
Directivity	dB	≥50	≥50	
Extinction Ratio	Standard	≥18		
	High ER Type	≥20		
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		
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5		
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20		
Operating Temperature	°C	0~70		
Storage Temperature	°C	-40~85		
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x35 (≤3W)	
	Metal Box	mm	L80x ^W 12x ^H 10 (>3W); L120x ^W 12x ^H 10 (≤3W)	

- 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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. High ER type can only work in slow axis at pass port.
 5. 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.
 6. Package size may be different for different fiber types, configuration and optical power.

ORDERING INFORMATION (PN)

FDSP-N	CNN	(C)	(C)	- H NN	P NN	-(C)	C	C	NN	- CC/CCC
Channel Spacing	ITU Channel No.	Configuration	Type	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1- 100GHz	C34- C34 Channel	D-D Type	R-High ER	03-300mW	01-100W	M-Metal Box M	2-PM1550Fiber	B- Bare fiber	05-0.5m	N-Without Connector
2- 200GHz	H40- H40 Channel	Blank for Y Type	Blank for Standard	1- 1W	1- 1kW	Blank for SST	0-10/125 PMDC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
	L00- L00 Channel			2-2W	10-10kW	or >3W	T-12/130 PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
	C40- C40 Channel			5- 5W	20- 20kW		G-25/300 PMDC Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector