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	dB	≥18	
	High ER Type	dB	≥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	Ø5.5x38 (≤3W)	
	Metal Box	mm	L80xW12xH10 (>3W); L120xW12xH10 (≤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, configurtion 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