

DWDM Single Channel Device

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	≤0.60	≤0.50
Pass Channel Adjacent Channel Isolation	dB	≥25	
Pass Channel Non-adjacent Channel Isolation	dB	≥40	
Ref. Channel Isolation (Only for Y Type)	dB	≥12	
Optical Return Loss	dB	≥45	
Directivity	dB	≥50	
Polarization Dependent Loss	dB	≤0.15	≤0.10
Fiber Type	-	SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC 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	Stainless Steel Tube (SST)	mm	∅5.5x ^L 35
	Metal Box	mm	^L 120x ^W 12x ^H 10

- 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.
 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.
 4. Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

FDWS-	N	CNN	(C)	- (C)	(C)	C	NN	- CC/CCC
Channel Spacing	ITU Channel No.	Configuration	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
1- 100GHz	C34- C34 Channel	D-D Type	M-Metal Box	O-10/130 DC Fiber	B- Bare fiber	05-0.5m	N-Without Connector	
2- 200GHz	H40- H40 Channel	Blank for Y Type	Blank for SST	T-12/130 DC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector	
	L00- L00 Channel			G-25/300 DC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector	
	C40- C40 Channel			Blank for SMF-28 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	