

100/200GHZ DWDM FILTER

Specifications

Parameter	Unit	100GHz	200GHz
Channel Spacing		100Ghz	200Ghz
Center Wavelength (λ_c)	nm	ITU Grid	ITU Grid
Channel Bandwidth	nm	$\lambda_c \pm 0.11$	$\lambda_c \pm 0.25$
Channel Flatness	dB	≤ 0.5	≤ 0.5
Insertion Loss	dB	≤ 1.3	≤ 1.3
Uniformity	dB	≤ 1.0	≤ 1.0
Adjacent Channel Isolation	dB	≥ 25	≥ 25
Non-Adjacent Channel Isolation	dB	≥ 30	≥ 30
Directivity	dB	≥ 55	
Return Loss	dB	≥ 45	
PDL	dB	≤ 0.1	
PMD	ps	≤ 0.05	
Wavelength Thermal Stability	nm/°C	≤ 0.002	
Insertion Loss Thermal Stability	dB/°C	≤ 0.005	
Power Handling	mW	≤ 500	
Operating Temperature	°C	0 ~ +70	
Storage Temperature	°C	-40 ~ +85	
Package Dimension	mm	$\Phi 5.5 \times L34$	

Ordering Information

DWDMF	Wavelength (ITU)	Fiber Type	Fiber Length	Connector
DWDMF	21=ITU 21 22=ITU 22 23=ITU 23 XX=Others	B=SMF-28, 250um L=SMF-28, 900um X=Others	10=1.0m 25=2.5m XX=Others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC LC=LC/PC XX=Others

100/200GHZ HIGH ISOLATION DWDM FILTER

Specifications

Parameters		Unit	Value	
			100GHz	200GHz
Filter Type			100GHz	200GHz
Center Wavelength CWL		nm	ITU Grid in C band	
Pass Band	Min. Bandwidth @0.5dB	nm	0.18	0.5
	Typ. Bandwidth @0.5dB	nm	0.22	0.7
	Max. Insertion Loss @C→P	nm	1.4	1.3
	Typ. Insertion Loss @C→P	nm	1.0	1.0
	Min. Channel Isolation @C→P	nm	40	40
Reflection Band	Max. Insertion Loss @C→R	dB	0.5	0.5
	Typ. Insertion Loss @C→R	dB	0.3	0.3
	Min. Channel Isolation @C→R	dB	12	12
	Typ. Channel Isolation @C→R	dB	14	14
Max. PDL		dB	0.1	
Typ. PDL		dB	0.05	
Min. Directivity		dB	50	
Min. Return Loss		dB	50	
Center Wavelength Stability		nm/°C	≤0.002	
Thermal Stability		dB/°C	≤0.005	
Max. Optical Power		mw	300	
Fiber Type			SMF-28 Fiber	
Max. Tensile Load		N	5	
Operating Temperature		°C	-5 to +70	
Storage Temperature		°C	-40 to +85	
Package Dimension		mm	Φ5.5 x L34	

Ordering Information

HDWDMF	Channel Spacing	ITU Channel	Fiber Type	Fiber Length	Connector
HDWDMF	1=100GHz 2=200GHz	21=ITU 21 22=ITU 22 23=ITU 23 XX=Others	B=SMF-28, 250um L=SMF-28, 900um H=SMF-28, 3mm X=Others	10=1.0m 25=2.5m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=Others

100GHZ DWDM MODULE_

Specifications

Parameter	Unit	Value					
Channel Number		2	4	8	16	32	40
Central Wavelength	um	ITU-T Grid					
Passband @0.5dB	um	<=0.25					
Passband	um	+/-0.11					
Passband Flatness	dB	<=0.5					
Insertion Loss (Typ.)	dB	1.4	1.6	1.6	3.8	4.8	5.2
Insertion Loss (Max.)	dB	1.8	2.0	3.2	4.5	5.5	6.0
Channel Uniformity	dB	<=0.5	<=1.0	<=1.0	<=1.0	<=1.0	<=1.0
Adjacent Channel Isolation	dB	>=25					
Non-adjacent Channel Isolation	dB	>=45					
Wavelength Thermal Stability	nm/°C	<=0.001					
Insertion Loss Thermal Stability	dB/°C	<=0.005	<=0.005	<=0.007	<=0.007	<=0.008	<=0.008
Return Loss	dB	>=45					
PMD	ps	<=0.10	<=0.10	<=0.10	<=0.15	<=0.15	<=0.15
PDL	dB	<=0.10	<=0.15	<=0.2	<=0.25	<=0.30	<=0.30
Directivity	dB	>=50					
Operation Temperature	°C	-5~+65					
Storage Temperature	°C	-40~+85					
Package Dimension	mm	88.9x50.8x8.3	120x80x13	130x87x13	150x115x13	150x110x19	150x110x19

Ordering Information

DWDM	Channel Spacing	Channels	Configuration	Start ITU Channel	Fiber Type	Fiber Length	Connector
DWDM	1=100GHz 2=200GHz	02=2 Ch 04=4 Ch 16=16 Ch XX=Others	M=Mux D=DeMux	21=ITU 21 22=ITU 22 23=ITU 23 XX=Others	B=SMF-28, 250um L=SMF-28, 900um H=SMF-28, 3mm X=Others	10=1.0m 25=2.5m XX=Others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=Others