

100 or 200GHz DWDM FILTER (ITU Grid Wavelengths)

Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	100GHz	200GHz	
Pass Channel	Wavelength	nm	ITU Grid		
	Bandwidth (@-0.5dB)	nm	±.011	±0.25	
	Center Wavelength Accuracy	nm	±.05	±0.10	
	Ripple	Max	dB		
	Isolation	Adjacent (23°C, All SOP)	Min	dB	
		Non-adjacent (23°C, All SOP)	Min	dB	
	Insertion Loss (23°C, All SOP) (Add/.Drop Ch)	Max	dB		
Reflect Channel	Insertion Loss (23°C, All SOP) (Express Ch)	Max	dB		
	Isolation (23°C, All SOP)	Min	dB		
PDL	Max	dB	0.1		
PMD	Max	ps	0.1		
Return Loss	Min	dB	45		
Directivity	Min	dB	50		
Optical Power Handling	Max	mW	300		
Package Dimension		mm	φ5.5 x L35		
Operating Temperature		°C	0~+70		
Storage Temperature		°C	-40~+85		

* The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & PDL.

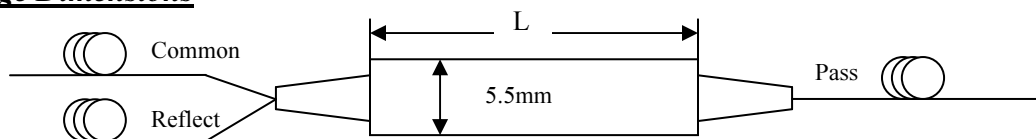
* SOP=State Of Polarization

Ordering Information

Contact Ascentta with your custom configuration needs.

DWDMF	Channel Spacing	Wavelength (ITU)	Fiber Type	Fiber Length	Connector
DWDMF	1=100GHz	21=ITU 21	B= SMF-28, 250um	10=1.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC X=Others
	2=200GHz	22=ITU 22	L= SMF-28, 900um	15=1.5m	
		23=ITU 23		20=2.0m	
		X=Others	X=Others	30=3.0m	
				X=Others	

Package Dimensions



Contact Ascentta for all your custom design needs.

100 or 200GHz HIGH ISOLATION DWDM FILTER (ITU Grid Wavelengths)

Specifications

Contact Ascentta with your custom specification needs.

Parameter			Unit	100GHz	200GHz
Wavelength			nm	ITU Grid	
Pass Channel	Bandwidth (@0.5dB)	Typ.	nm	0.22	0.7
	Bandwidth (@0.5dB)	Min	nm	0.18	0.5
	Ripple	Max	dB	0.5	
	Isolation (23°C, All SOP)	Min	dB	40	
	Insertion Loss (23°C, All SOP)	Typ.	dB	1.0	
	Insertion Loss (23°C, All SOP)	Max	dB	1.4	1.3
	Ripple	Max	dB	0.5	
Reflect Channel	Isolation (23°C, All SOP)	Typ.	dB	14	
	Isolation (23°C, All SOP)	Min	dB	12	
	Insertion Loss (23°C, All SOP)	Typ.	dB	0.3	
	Insertion Loss (23°C, All SOP)	Max	dB	0.5	
PDL	Max	dB	0.1		
PMD	Max	ps	0.1		
Return Loss	Min	dB	50		
Directivity	Min	dB	50		
Optical Power Handling	Max	mW	300		
Package Dimension		mm	φ5.5 x L35		
Operating Temperature		°C	-5 to 70		
Storage Temperature		°C	-40 to 85		

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Ordering Information

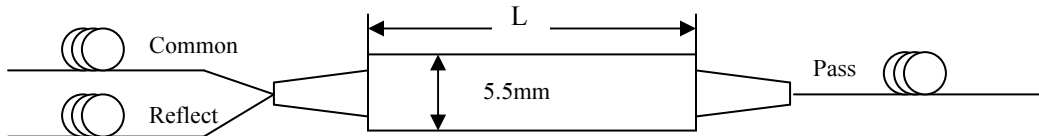
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HDWDMF	Channel Spacing	Wavelength (ITU)	Fiber Type	Fiber Length	Connector
HDWDMF	1=100GHz	21=ITU 21	B= SMF-28, 250um	10=1.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC
	2=200GHz	22=ITU 22	L= SMF-28, 900um	15=1.5m	
		23=ITU 23	H=SMF-28, 3mm	20=2.0m	
				30=3.0m	
		X=Others	X=Others	X=Others	

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100 or 200GHz HIGH ISOLATION DWDM FILTER
(ITU Grid Wavelengths)

Package Dimensions



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100GHz DWDM MODULE (ITU Grid Wavelengths)

Specifications

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Parameter			Unit	2-Ch	4-Ch	8-Ch	16-Ch	32-Ch	40-Ch	
Wavelength			nm	ITU Grid						
Channel	Bandwidth (@0.5dB)	Min	nm	0.22						
	Ripple	Max	dB	0.5						
	Isolation	Adjacent (23°C, All SOP)	Min	dB	25					
		Non-adjacent (23°C, All SOP)	Min	dB	45					
Insertion Loss (23°C, All SOP)	Typ.	dB		1.4	1.6	1.6	3.8	4.8	5.2	
	Max	dB		1.6	1.8	3.2	4.2	5.4	6.0	
Uniformity		Max	dB	0.5	0.6	1.0	1.5	2.0	2.0	
PDL		Max	dB	0.10	0.15	0.2	0.25	0.30	0.30	
PMD		Max	ps	0.10	0.10	0.10	0.15	0.15	0.15	
Return Loss		Min	dB	45						
Directivity		Min	dB	50						
Optical Power Handling		Max	mW	300						
Package Dimension	L		mm	100	100	100	120	150	150	
	W		mm	80	80	80	80	95	110	
	H		mm	10	10	10	18	19	19	
Operation Temperature			°C	-5 to 65						
Storage Temperature			°C	-40 to 85						

* The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & PDL.

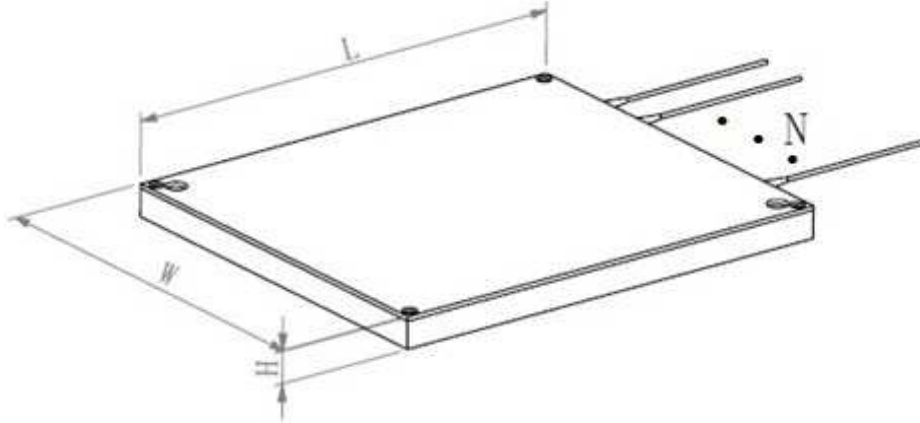
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Ordering Information

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DWDM	Channel Spacing	Channels	Configuration	Start ITU Channel	Fiber Type	Fiber Length	Connector	Express Port
DWDM	1=100GHz	02=2-Ch	M=Mux	21=ITU 21	B=SMF-28,	10=1.0m	NE=None	E=With Express Port
	2=200GHz	04=4-Ch	D=DeMux	22=ITU 22	250um	15=1.5m	FA=FC/APC	
		08=8-Ch		23=ITU 23	L=SMF-28,	20=2.0m	FC=FC/PC	
		16=16-Ch		X=Others	900um	30=3.0m	SA=SC/APC	
		32=32-Ch			H=SMF-28, 3mm		SC=SC/PC	
		40=40-Ch			X=Others	X=Others	ST=ST/PC	
		X=Others					LA=LC/APC	
							LC=LC/PC	
							X=Others	

Contact Ascentta for all your custom design needs.

100GHz DWDM MODULE
(ITU Grid Wavelengths)**Package Dimensions**

Contact Ascentta for all your custom design needs.

100 or 200GHz (OADM) OPTICAL ADD/DROP MULTIPLEXER (ITU Grid Wavelengths)

Specifications

Contact Ascentta with your custom specification needs.

Parameter			Unit	200GHz		100GHz		
Channels				4	8	4	8	
Wavelength			nm	ITU Grid				
Channel	Bandwidth @0.5dB	Min	nm	0.5		0.2		
	Ripple	Min	dB	0.5				
	Isolation	'In' to 'Out' (@ λ -drop, 23°C, All SOP)	Min	dB	25			
		Adjacent Channel (23°C, All SOP)	Min	dB	25			
		Non-adjacent Channel (23°C, All SOP)	Min	dB	40			
	Insertion Loss	'In' to 'Drop' (@ λ -drop, 23°C, All SOP)	Typ.	dB	2.5	3.0	2.5	3.0
'Add' to 'Out' (@ λ -add, 23°C, All SOP)		Typ.	dB	2.5	3.0	2.5	3.0	
'In' to 'Out' (@ λ -other, 23°C, All SOP)		Typ.	dB	2.5	4.5	2.5	4.5	
Uniformity			Max	dB				
PDL			Max	dB				
PMD			Max	ps				
Return Loss			Min	dB				
Directivity			Min	dB				
Optical Power Handling			Max	mW				
Package Dimension			mm	4-Ch: 130 x 87 x 13 8-Ch: 133.5 x 96 x 15				
Operation Temperature			°C	0 to 60				
Storage Temperature			°C	-40 to 85				

* The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & PDL.

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Ordering Information

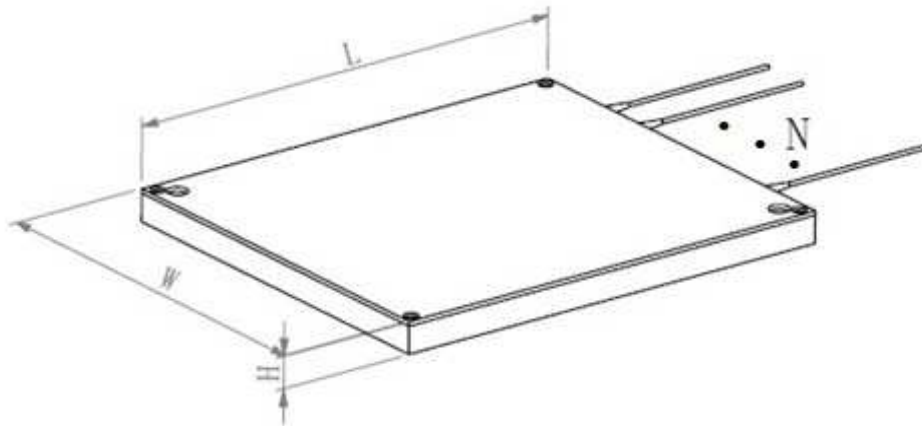
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OADM	Channel Spacing	Channels	Add/Drop Wavelength	Fiber Type	Fiber Length	Connector
OADM	2=200GHz	2=2-Ch	21=ITU 21	B=SMF-28, 250um	10=1.0m	NE=None
	1=100GHz	4=4-Ch	22=ITU 22	L=SMF-28, 900um	15=1.5m	FA=FC/APC
		8=8-Ch	23=ITU 23	H=SMF-28, 3mm	20=2.0m	FC=FC/PC
		X=Others	X=Others	X=Others	30=3.0m	SA=SC/APC
					X=Others	SC=SC/PC
						ST=ST/PC
						LA=LC/APC
						LC=LC/PC
						X=Others

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**100 or 200GHz (OADM) OPTICAL ADD/DROP MULTIPLEXER
(ITU Grid Wavelengths)**

Package Dimensions



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