760~850/920~980nm PM WDM Filter

Features

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

Applications

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs

Specifications

Parameters		Unit	Standard	High Isolation
Pass Channel Wavelength Range λ1		nm	760±10, 793±10, 808±10, 830±10, 850±10	
Reflective Channel Wavelength Range λ2		nm	920±10, 930±10, 950±10, 980±10	
Insertion Loss over λ1 @ Pass Channel		dB	≤1.4	≤1.6
Insertion Loss overλ2 @ Reflective Channel		dB	≤1.2	
Configuration	Y Type	-	3-port	
	X Type	-	4-port (2x2 WDM)	
Isolation over λ1 @ Reflective Channel		dB	≥12	
Isolation over λ2 @ Pass Channel		dB	≥25	≥45
Optical Return Loss		dB	≥50	
Extinction Ratio	Standard	dB	≥18	
	High ER Type	dB	≥20	
Fiber Type		-	PM850 Fiber, PM780-HP Fiber (7) or PM980 Fiber(H) PM1060L Fiber (E) or PM1060L-FA Fiber (L) 10/125um PMDC Fiber (O) or 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)	
Fiber Tensile Load		N	5	
Max. Optical Power (CW)		mW	300	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	Ø5.5xL35	
	Metal Box	mm	L120xW12xH10	

Note: 1. Specifications are for device without connectors; Specifications may change without notice.
2. To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
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.
5. Package size may be different for different optical power, fiber type and configurations.
6. High ER type can only work in slow axis at pass port.

Ordering Information (PN)

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Ref Wavelength	Pass Wavelength	Ref.Fiber	Ref.Fiber2	Comm Fiber	Type	Isolation	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
92=920nm	81=808nm	Y= Same Fiber	X= Same Fiber	8=HI780 Fiber	H= High ER	I= High Iso	M=Metal Box	2=PM850 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
93=930nm	79=793nm	8=HI780 Fiber	7=780HP Fiber	7=780HP Fiber	*Blank* for Standard	*Blank* for Standard	*Blank* for SST or >10W	7=PM780-HP Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
95=950nm	83=830nm	H=HI1060 Fiber	H=HI1060 Fiber	H=HI1060 Fiber				H=PM980 Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
98=980nm	85=850nm	7=780HP Fiber	*Blank* for Y Type	*Blank* for Same Fiber				E=PM1060L Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector