980/1310/1550/1590nm PM WDM Filter

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks

SPECIFICATIONS

Parameters		Unit	Standard	High ER Type
Pass Channel Wavelength Range λ1		nm	1310+/-20, 1530-1580, 1570-1610	
Reflective Channel Wavelength Range λ2		nm	965-1000	
Insertion Loss over λ1 @ Pass Channel		dB	≤1.0	≤1.2
Insertion Loss overλ2 @ Reflective Channel		dB	≤0.8	
Configuration	Y Type	-	3-port	
	X Type	-	4-port (2x2 WDM)	
Isolation over λ1 @ Reflective Channel		dB	≥12	
Isolation over λ2 @ Pass Channel		dB	≥30	
Optical Return Loss		dB	≥45	
Extinction Ratio		dB	≥20	≥22
Fiber Type	Signal Port	-	PM1310/1550 Panda Fiber, 10/125um PMDC Fiber (O)	
			12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q)	
			25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)	
	Common Port		Same Fiber or PM980 Fiber	
	Pump Port		Same Fiber, PM980 Fiber or HI1060 Fiber	
Polarization Alignment		-	Slow Axis	
Fiber Tensile Load		N	5	
Max. Optical Power (CW)		mW	300	
Operating Temperature		°C	0~70	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35	
	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 0.5dB 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.

4. High ER type can only work in slow axis at pass port.

ORDERING INFORMATION (PN)

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Signal Wavelength	*Pump Fiber*	*Pump Fiber2*	*Comm Fiber*	*Type*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
15=1550nm	Y=Same Fiber	X=Same Fiber	M=PM980 Fiber	H= High ER	M=Metal Box	2=PM1310/1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
59=1590nm	P=PM980 Fiber	P=PM980 Fiber	*Blank* for Same Fiber	*Blank* for Standard	*Blank* for SST	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
13=1310nm	S=HI1060 Fiber	S=HI1060 Fiber				T=12/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
		Blank for Y Type				R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector