C/L Band Split PM WDM Filter

FEATURES

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

APPLICATIONS

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

SPECIFICATIONS

Parameters		Unit	Standard	High ER Type
Pass Channel Wavelength Range λ1		nm	1500-1563 or 1570-1610	
Reflective Channel Wavelength Range λ2		nm	1570-1610 or 1500-1563	
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	≥25	
Optical Return Loss		dB	≥50	
Extinction Ratio		dB	≥20	≥22
Fiber Type		-	PM1550 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)	
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 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

4. 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)

FPWM-NN NN - (C) (C) - (C) C C NN -CC/CCC

Ref Wavelength	*Pass Wavelength*	*Configuration*	*Type*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
15=1550nm	59=1590nm	X= X Type	H= High ER	M=Metal Box	2=PM1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
59=1590nm	15=1550nm	*Blank* for Y Type	*Blank* for Standard	*Blank* for SST	O=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
					T=12/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
					R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector