

915/1020~1120nm PM WDM

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 λ_1	nm	915 \pm 10, 1020 \pm 5, 1030 \pm 10, 1040 \pm 10, 1053 \pm 10, 1064 \pm 10, 1070 \pm 10, 1080 \pm 10, 1092 \pm 10, 1120 \pm 10, 1150 \pm 10	
Reflective Channel Wavelength Range λ_2	nm		
Insertion Loss over λ_1 @ Pass Channel	dB	\leq 1.2	\leq 1.4
Insertion Loss over λ_2 @ Reflective Channel	dB	\leq 1.0	
Configuration	Y Type	3-port	
	X Type	4-port (2x2 WDM)	
Isolation over λ_1 @ Reflective Channel	dB	\geq 12	
Isolation over λ_2 @ Pass Channel	dB	\geq 25	\geq 45
Optical Return Loss	dB	\geq 50	
Extinction Ratio	Standard	\geq 20	
	High ER Type	\geq 22	
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)	
Polarization Alignment	-	Slow Axis	
Fiber Tensile Load	N	5	
Max. Optical Power (CW)	mW	300	
Operating Temperature	$^{\circ}$ C	0~50	
Storage Temperature	$^{\circ}$ C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	ϕ 5.5x ^L 35
	Metal Box	mm	^L 120x ^W 12x ^H 10

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - 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.
 - High ER type can only work in slow axis at pass port.

ORDERING INFORMATION (PN)

FPWM-NN	NN	- C	(C)	(C)	C	(C)	-(C)	C	C	NN - CC/CC	
Ref Wavelength	Pass Wavelength	Pump Fiber	Pump Fiber2	Comm Fiber	Type	Isolation	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
91-915nm	05-1053nm	P=Same Fiber	P=Same Fiber	M=PM850 Fiber	H=High ER	I= High Iso	M= Metal Box	2=PM850Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
06=1064nm	03=1030nm	S=Corr. SM Fiber	X=Corr. SM Fiber	7=PM780-HP Fiber	S=Standard	Blank for	Blank for SST	H=PM980Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
02=1020nm	09=1092nm	M=PM850 Fiber	Blank for Y Type	Blank for Same Fiber		Standard		E=PM1060L Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
12=1120nm	91=915nm	H=PM980 Fiber						R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector