

1030/1020~1120nm 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
- Research Labs
- Laser Systems



SPECIFICATIONS

Parameters	Unit	Value
Pass Channel Wavelength Range λ_1	nm	1030 \pm 4
Reflective Channel Wavelength Range λ_2	nm	1053 \pm 10, 1064 \pm 10, 1070 \pm 10 1080 \pm 10, 1092 \pm 5, 1120 \pm 10, 1150 \pm 10
Insertion Loss over λ_1 @ Pass Channel	dB	\leq 1.2
Insertion Loss over λ_2 @ Reflective Channel	dB	\leq 0.8
Configuration	Y Type	3-port
	X Type	4-port (2x2 WDM)
Isolation	Pass Channel@ λ_2	\geq 25 (Standard), \geq 45 (High Isolation)
	Reflective Channel@ λ_1	\geq 12
Optical Return Loss	dB	\geq 50
Extinction Ratio	Standard	\geq 20
	High ER Type	\geq 22
Fiber Type	-	PM980 Fiber, 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)	\varnothing 5.5xL35
	Metal Box	L120x ^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.

5. Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

FPWM-NN	NN	- C	(C)	C	(C)	- (C)	C	C	NN	-CC/CCC
Ref Wavelength	Pass Wavelength	Ref. Fiber	Ref. Fiber2	Type	Isolation	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
05=1053nm	03=1030nm	P= Same Fiber	P= Same Fiber	H=High ER	I= High Iso	M=Metal Box	2=PM980Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
06=1064nm		S= Corr. SM Fiber	S= Corr. SM Fiber	S=Standard	Blank for	Blank for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
09=1092nm			Blank for Y Type		Standard		Q=20/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
12=1120nm							R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

