

750~850/1020~1150nm PM WDM

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 Isolation
Pass Channel Wavelength Range λ_1		nm	750±10, 780±10, 793±10, 810±10, 830±10, 850±10,	
Reflective Channel Wavelength Range λ_2		nm	1020±10, 1030±10, 1040±10, 1053±10, 1064±10, 1070±10, 1080±10, 1092±10, 1120±10, 1150±10	
Insertion Loss	Pass Channel@ λ_1	dB	≤1.6	≤1.8
	Reflective Channel@ λ_2	dB	≤1.6	
Configuration	Y Type	-	3-port	
	X Type	-	4-port (2x2 WDM)	
Isolation	Pass Channel@ λ_2	dB	≥12	
	Reflective Channel@ λ_1	dB	≥25	≥45
Optical Return Loss		dB	≥50	
Extinction Ratio	Standard	dB	≥20	
	High ER Type	dB	≥22	
Fiber Type	Common & Signal	-	PM850 Fiber, PM780-HP Fiber (7) or PM980 Fiber (H)	
		-	PM1060L Fiber (E) or 10/125um PMDC Fiber (O) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)	
	Pump (750-850nm)	-	Same Fiber, Corr. SM Fiber, PM850 Fiber or PM780-HP Fiber (7)	
Fiber Tensile Load		N	5	
Max. Optical Power (CW)		mW	300	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	∅5.5x ^L 35	
Dimension	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 0.7dB 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.
 4. High ER type can only work in slow axis at pass port.
 5. 750~850nm light will transmit as low order modes in common port signal fiber.

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
79-793nm	03-1030nm	P= Same Fiber	P= Same Fiber	H=High ER	I= High Iso	M=Metal Box	2-PM850 Fiber	B= Bare Fiber	05-0.5m	N=Without Connector
83-830nm	09-1092nm	S= Corr. SM Fiber	S= Corr. SM Fiber	S=Standard	Blank for	Blank for SST	7-PM780HP Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
06-1064nm	78-780nm	7-PM780HP Fiber	7-PM780HP Fiber		Standard		E-PM1060L Fiber	2-2mm Cable	15-1.5m	LC/PC =LC/PC Connector
12-1120nm	85-850nm	2-PM850 Fiber	Blank for Y Type				R-25/250 PMDC Fiber	3-3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector