

750~850/1020~1150nm 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	750 \pm 10, 780 \pm 10, 793 \pm 10, 810 \pm 10, 830 \pm 10, 850 \pm 10,	
Reflective Channel Wavelength Range λ_2		nm	1020 \pm 10, 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	
Insertion Loss	Pass Channel@ λ_1	dB	≤ 1.6	
	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	≥ 18	
	High ER Type	dB	≥ 20	
Fiber Type	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)	
	Common	-	Same Fiber, PM850 Fiber (2) or PM780HP Fiber (8)	
	Pump (750-850nm)	-	Same Fiber, PM850 Fiber (P) or PM780HP Fiber (7)	
			Corr. SM Fiber, HI780 Fiber (H) or 780-HP Fiber (M)	
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	$\varnothing 5.5 \times L35$	
Dimension	Metal Box	mm	$L120 \times W12 \times H10$	

- 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	C	NN	-	CC/CCC
Ref Wavelength	Pass Wavelength	Pump Fiber	Pump Fiber2	Comm Fiber	Type	Isolation	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type			
79-793nm	03-1030nm	Y= Same Fiber	X= Same Fiber	8-PM780HP Fiber	H= High ER	I= High Iso	M= Metal Box	2-PM850 Fiber	0= Bare Fiber	05-0.5m	N= Without Connector			
83-830nm	09-1092nm	S= Corr. SM Fiber	S= Corr. SM Fiber	2-PM850 Fiber	S= Standard	Blank for	Blank for SST	H-PM980 Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector			
06-1064nm	78-780nm	H= HI780 Fiber	P= PM850 Fiber	Blank for		Standard		E= PM1060L Fiber	2= 2mm Cable	15-1.5m	LC/PC =LC/PC Connector			
12-1120nm	85-850nm	7-PM780HP Fiber	Blank for Y Type	Same Fiber				R= 25/250 PMDC Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector			

