

## 750~850/1020~1150nm High Power PM WDM

### FEATURES

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

### APPLICATIONS

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

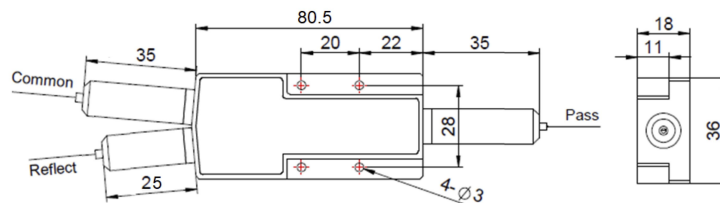


### SPECIFICATIONS

Parameters		Unit	Standard	High Isolation
Pass Channel Wavelength Range $\lambda_1$		nm	750 $\pm$ 10, 780 $\pm$ 10, 793 $\pm$ 10, 810 $\pm$ 10, 830 $\pm$ 10, 850 $\pm$ 10,	
Reflective Channel Wavelength Range $\lambda_2$			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@ $\lambda_1$	dB	$\leq$ 1.6	$\leq$ 1.8
	Reflective Channel@ $\lambda_2$	dB	$\leq$ 1.6	
Configuration	Y Type	-	3-port	
	X Type	-	4-port (2x2 WDM)	
Isolation	Pass Channel@ $\lambda_2$	dB	$\geq$ 12	
	Reflective Channel@ $\lambda_1$	dB	$\geq$ 25	$\geq$ 45
Optical Return Loss		dB	$\geq$ 50	
Extinction Ratio	Standard	dB	$\geq$ 18	
	High ER Type	dB	$\geq$ 20	
Fiber Type	Common & Signal	-	PM850 Fiber, PM780-HP Fiber (7) or PM980 Fiber (H)	
		-	PM1060L Fiber (E) or 10/125um PMDC Fiber (O)	
	Pump (750-850nm)	-	20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)	
Fiber Tensile Load		N	5	
Max. Optical Power (CW)		W	1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60	
Operating Temperature		$^{\circ}$ C	0~50	
Storage Temperature		$^{\circ}$ C	-40~85	
Package	Stainless Steel Tube (SST)	mm	$\phi$ 5.5x $\pm$ 35 ( $\leq$ 5W); $\phi$ 6.0x $\pm$ 50 (5~10W)	
Dimension	Metal Box	mm	L120x $\pm$ W12x $\pm$ H10 ( $\leq$ 10W)	

- 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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  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.
  5. High ER type can only work in slow axis at pass port.
  6. 750~850nm light will transmit as low order modes in common port signal fiber.

### PACKAGE DIMENSION (> 10W)



### ORDERING INFORMATION (PN)

FPWM-NN	NN	- C	(C)	C	(C)-HPNN	-(C)	C	C	NN-CC/CCC		
Ref Wavelength	Pass Wavelength	Ref. Fiber	Ref. Fiber2	Type	Isolation	Optical Power	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	1= 1W	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	5=5W	Blank for SST	7=PM780HP Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
06=1064nm	78=780nm	2=PM850 Fiber	7=PM780HP Fiber		Standard	10=10W	or >10W	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			20=20W		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector