

750~850/1020~1150nm PM WDM for Pulse Power

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

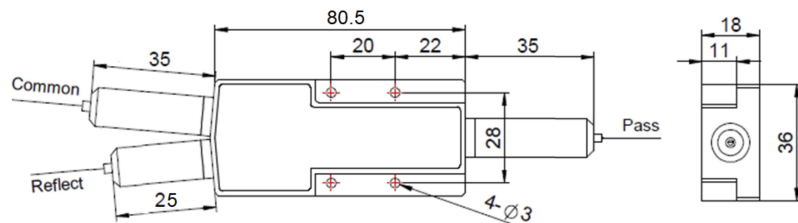


SPECIFICATIONS

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, 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	
Reflective Channel Wavelength Range λ_2		nm		
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	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	
Fiber Tensile Load		N	5	
Max. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60	
Max. Peak Power for pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature		$^{\circ}$ C	0~50	
Storage Temperature		$^{\circ}$ C	-40~85	
Package Dimension	Stainless Steel Tube	mm	$\phi 5.5 \times L35 (\leq 5W)$; $\phi 6.0 \times L50 (5 \sim 10W)$	
	Metal Box	mm	$L120 \times W12 \times H10 (\leq 10W)$	

- 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. 780~850nm light may transmit as low order modes in common port signal fiber.

PACKAGE DIMENSION (>10W)



ORDERING INFORMATION (PN)

FPWM-NN	NN	-C	(C)	C	(C) - H	NN	P	NN	-(C)	C	C	NN	-CC/CCC
Ref Wavelength	Pass Wavelength	Ref. Fiber	Ref. Fiber2	Type	Isolation	Average Power	Peak 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	03=300mW	01=100W	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	1= 1W	1= 1kW	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	10=10W	10=10kW	or >10W	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			20=20W	20=20kW		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	

