

## 808/920~980nm PM WDM for Pulse Power

### 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

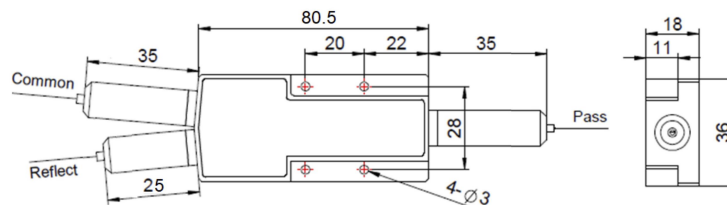


### SPECIFICATIONS

Parameters	Unit	Standard	High Isolation
Pass Channel Wavelength Range $\lambda_1$	nm	808+/-10	
Reflective Channel Wavelength Range $\lambda_2$	nm	920+/-10, 930+/-10, 950+/-10, 980+/-10	
Insertion Loss over $\lambda_1$ @ Pass Channel	dB	$\leq 1.4$	$\leq 1.6$
Insertion Loss over $\lambda_2$ @ Reflective Channel	dB	$\leq 1.2$	
Configuration	Y Type	-	3-port
	X Type	-	4-port (2x2 WDM)
Isolation over $\lambda_1$ @ Reflective Channel	dB	$\geq 12$	
Isolation over $\lambda_2$ @ Pass Channel	dB	$\geq 25$	$\geq 45$
Optical Return Loss	dB	$\geq 50$	
Extinction Ratio	Standard	$\geq 18$	
	High ER Type	$\geq 20$	
Fiber Type	-	PM850 Fiber or 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. 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	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	$\varnothing 5.5 \times L35$ ( $\leq 5W$ ); $\varnothing 6.0 \times L50$ (5~10W)
	Metal Box	mm	$L120 \times W12 \times H10$ ( $\leq 10W$ )

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  - 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.
  - High ER type can only work in slow axis at pass port.
  - Package size may be different for different optical power, configuration and fiber types

### PACKAGE DIMENSION (> 10W)



### ORDERING INFORMATION (PN)

**FPWM-NN NN - C (C) (C) - C (C)-H NN PNN -(NN) -(C) C C NN - CC/CCC**

Ref Wavelength	Pass Wavelength	Ref. Fiber	Ref. Fiber2	Mode	Type	Isolation	Average Power	Peak Power	Average Power (Ref)	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
92~920nm	81~808nm	P= Same Fiber	P= Same Fiber	M= Mux	H= High ER	I= High Iso	03~300mW	01=100W	1=1W	M= Metal Box	P=PM850Fiber	B= Bare Fiber	05=0.5m	N= Without Connector
93~930nm		S= Corr. SM Fiber	S= Corr. SM Fiber	D= Demux	Blank for	Blank for	1=1W	1=1kW	2=2W	Blank for SST	H=PM980Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
95~950nm				Blank for Y Type	Blank for Both	Standard	10=10W	10=10kW	5=5W	or >10W	E=PM1060L Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
98~980nm							20=20W	20=20kW	Blank for Sameto Pass		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/APC=SC/APC Connector