750~850/1310~1650nm 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 λ1		nm	750±10, 780±10, 793±10, 810±10, 830±10, 850±10,	
Reflective Channel Wavelength Range λ2		nm	1310±20, 1550±20, 1590±20, 1625±20, 1650±10	
Insertion Loss	Pass Channel@λ1	dB	≤1.8	≤2.0
	Reflective Channel@λ2	dB	≤1.8	
Configuration	Y Type	-	3-port	
	X Type	-	4-port (2x2 WDM)	
Isolation	Pass Channel@λ2	dB	≥12	
	Reflective Channel@λ1	dB	≥25	≥45
Optical Return Loss		dB	≥50	
Extinction Ratio	Standard	dB	≥18	
	High ER Type	dB	≥20	
Fiber Type	Signal	-	PM1310/1550 Panda Fiber or 10/125um PMDC Fiber (O)	
			12/130um PMDC Fiber (T) or 20/130um PMDC Fiber (Q)	
			25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G)	
	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. 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	Ø5.5xL35 (≤5W); Ø6.0xL50 (5~10W)	
	Metal Box	mm	L120xW12xH10 (≤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.

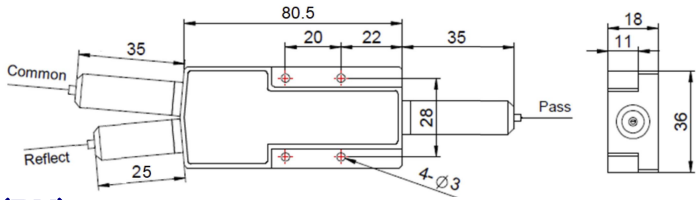
3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

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 PM1310/1550 and LMA fiber.

PACKAGE DIMENSION (>10W)



ORDERING INFORMATION (PN)

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

Ref Wavelength	Pass Wavelength	Pump Fiber	Pump Fiber2	Comm Fiber	Type	Isolation	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
79=793nm	15=1550nm	Y= Same Fiber	X= Same Fiber	8=PM780HP Fiber	H= High ER	I= High Iso	03=300mW	01=100W	M=Metal Box	2=PM1310/1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
83=830nm	59=1590nm	S= Corr. SM Fiber	S= Corr. SM Fiber	2=PM850 Fiber	S=Standard	*Blank* for	1= 1W	1= 1kW	*Blank* for SST	E=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
13=1310nm	78=780nm	H=HI780 Fiber	P=PM850 Fiber	*Blank* for		Standard	10=10W	10=10kW	or >10W	T=12/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
15=1550nm	85=850nm	7=PM780HP Fiber	*Blank* for Y Type	Same Fiber			20=20W	20=20kW		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

RoHS Compliant