

980/1020~1150nm 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 λ_1	nm	980 \pm 10, 1020 \pm 5, 1030 \pm 10, 1040 \pm 10,	
Reflective Channel Wavelength Range λ_2	nm	1053 \pm 10, 1064 \pm 10, 1070 \pm 10, 1080 \pm 10, 1092 \pm 5, 1120 \pm 5, 1150 \pm 5	
Insertion Loss over λ_1 @ Pass Channel	dB	\leq 1.0	\leq 1.2
Insertion Loss over λ_2 @ Reflective Channel	dB	\leq 0.8	
Configuration	Y Type	3-port	
	X Type	4-port (2x2 WDM)	
Isolation over λ_1 @ Reflective Channel	dB	\geq 12	
Isolation over λ_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	-	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	$^{\circ}$ C	0~50	
Storage Temperature	$^{\circ}$ C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	ϕ 5.5x ^L 35 (\leq 5W); ϕ 6.0x ^L 50 (5~10W)	
	Metal Box	^L 120x ^W 12x ^H 10 (\leq 10W)	

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.5dB 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.

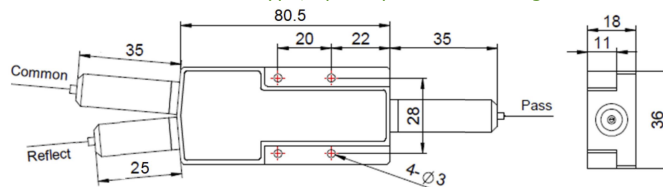
4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of the

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. Package size may be different for different fiber type, optical power and configurations.

PACKAGE DIMENSION (\geq 10W)



ORDERING INFORMATION (PN)

Ref Wavelength	Pass Wavelength	Mode	Pump Fiber	Pump Fiber2	Type	Isolation	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
98=980nm	05=1053nm	M= Mux	P=Same Fiber	P=Same Fiber	H=High ER	I= High Iso	03=300mW	01=100W	M=Metal Box	2=PM980Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
06=1064nm	03=1030nm	D= Demux	S=Corr. SM Fiber	X=Corr. SM Fiber	S=Standard	Blank for	1= 1W	1= 1kW	Blank for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
02=1020nm	09=1092nm	Blank for Both	M=PM980 Fiber	Blank for Y Type		Standard	10=10W	10=10kW	or >10W	Q=20/130 PMDC Fiber	R=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
12=1120nm	98=980nm		H=HI1060 Fiber				20=20W	20=20kW		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/APC=SC/APC Connector

