

1056/1020~1150nm PM WDM for Pulse Power

FEATURES

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

APPLICATIONS

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

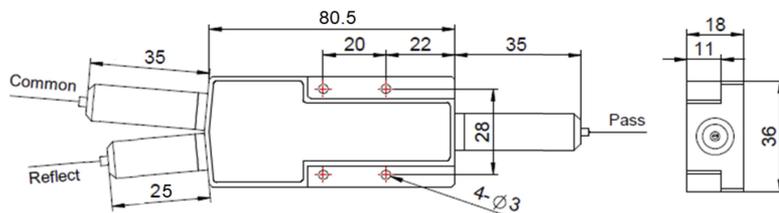


SPECIFICATIONS

Parameters	Unit	Standard	High Isolation	
Pass Channel Wavelength Range λ_1	nm	1056 \pm 2		
Reflective Channel Wavelength Range λ_2	nm	1020 \pm 10, 1030 \pm 10, 1040 \pm 5, 1064 \pm 2		
		1070 \pm 10, 1080 \pm 10, 1092 \pm 10, 1120 \pm 10, 1150 \pm 10		
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)	mm	ϕ 5.5xL35 (\leq 5W); ϕ 6.0xL50 (5~10W)	
	Metal Box	mm	L120x ^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 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.

PACKAGE DIMENSION (>10W)



ORDERING INFORMATION (PN)

FPWM-NN	NN	-C	(C)	C	(C)	-HNN	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	
06-1064nm	56-1056nm	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	
08-1080nm		S= Corr. SM Fiber	S= 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	
09-1092nm			Blank for Y Type		Standard	10=10W	10=10kW	or >10W	Q=20/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
12-1120nm						20=20W	20=20kW		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	