

750~850/1310~1650nm High Power PM WDM

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

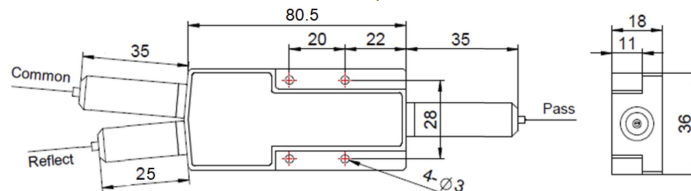


SPECIFICATIONS

Parameters	Unit	Standard	High Isolation
Pass Channel Wavelength Range λ_1	nm	750 \pm 10, 780 \pm 10, 793 \pm 10, 810 \pm 10, 830 \pm 10, 850 \pm 10,	
Reflective Channel Wavelength Range λ_2	nm	1310 \pm 20, 1550 \pm 20, 1590 \pm 20, 1625 \pm 20, 1650 \pm 10	
Insertion Loss	Pass Channel@ λ_1	dB	\leq 1.8
	Reflective Channel@ λ_2	dB	\leq 1.8
Configuration	Y Type	-	3-port
	X Type	-	4-port (2x2 WDM)
Isolation	Pass Channel@ λ_2	dB	\geq 12
	Reflective Channel@ λ_1	dB	\geq 25
Optical Return Loss	dB	\geq 50	
Extinction Ratio	Standard	dB	\geq 18
	High ER Type	dB	\geq 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. Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60	
Operating Temperature	$^{\circ}$ C	0~50	
Storage Temperature	$^{\circ}$ C	-40~85	
Package	Stainless Steel Tube (SST)	mm	\varnothing 5.5x ^L 35 (\leq 5W); \varnothing 6.0x ^L 50 (5~10W)
Dimension	Metal Box	mm	^L 120x ^W 12x ^H 10 (\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.
 - 750~850nm light will transmit as low order modes in PM1310/1550 and LMA fiber.

PACKAGE DIMENSION (>10W)



ORDERING INFORMATION (PN)

Ref Wavelength	Pass Wavelength	Pump Fiber	Pump Fiber2	Comm Fiber	Type	Isolation	Optical 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	1= 1W	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	5=5W	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	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		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector