

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

FEATURES

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

APPLICATIONS

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

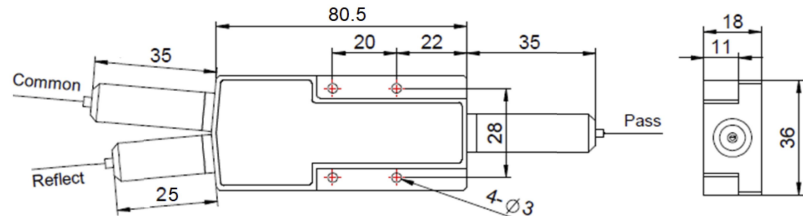


SPECIFICATIONS

Parameters		Unit	Standard	High Isolation
Pass Channel Wavelength Range λ_1		nm	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	\leq 2.0
	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 25	\geq 45
	Reflective Channel@ λ_1	dB	\geq 12	
Optical Return Loss		dB	\geq 45	
Directivity		dB	\geq 50	
Polarization Dependent Loss		dB	\leq 0.2	
Fiber Type	Signal	-	780HP Fiber (7), HI780 Fiber (H) or SMF-28 Fiber 10/130um DC Fiber (O), 12/130um DC Fiber (T) 20/130um DC Fiber (Q), 25/300um DC Fiber (G)	
	Common & Pump	-	Same Fiber, 780-HP Fiber (7) or HI780 Fiber	
Fiber Tensile Load		N	5	
Maximum 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 Dimension	Stainless Steel Tube (SST)	mm	ϕ 5.5x ^L 35 (\leq 5W); ϕ 6.0x ^L 50 (5~10W)	
	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.
 - 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.
 - 750~850nm light may transmit as low order modes in common port signal fiber.

PACKAGE DIMENSION (>10W)



ORDERING INFORMATION (PN)

Ref Wavelength	Pass Wavelength	Pump Fiber	Pump Fiber2	Comm. Fiber	Isolation	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
79~793nm	15~1550nm	S= Same Fiber	X= Same Fiber	Y= Same Fiber	I= High Iso	1~1W	M= Metal Box	H= HI780 Fiber	B= Bare Fiber	05~0.5m	N= Without Connector
83~830nm	59~1590nm	7= 780HP Fiber	7= 780HP Fiber	7= 780HP Fiber	Blank for	5~5W	Blank for SST	O=10/130 DC Fiber	L= Loose Tube	10~1.0m	FC/APC=FC/APC Connector
13~1310nm	78~780nm	Blank for	H= HI780 Fiber	Blank for	Standard	10~10W	or >10W	T=12/130 DC Fiber	2=2mm Cable	15~1.5m	LC/PC =LC/PC Connector
15~1550nm	85~850nm	HI780 Fiber	Blank for Y Type	HI780 Fiber		20~20W		Blank for SMF-28 Fiber	3=3mm Cable	20~2.0m	SC/UPC=SC/UIPC Connector