

1553nm High Power PM Bandpass Filter

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Research Labs

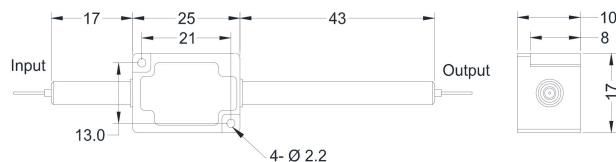


SPECIFICATIONS

Parameters	Unit	Standard	High ER Type
Center Wavelength	nm	1553	
Min. Pass Band Width @ 0.5dB	nm	5.0	
Insertion Loss over Pass Band Wavelength	dB	≤1.0	≤1.2
Stop Band @ 25dB	nm	1500~1548 & 1558-1610	
ASE Direction	-	F: Forward, B: Backward, T: Two-way	
Configuration	-	D: 2-port, Y: 3-port, X: 4-port	
Optical Return Loss	dB	≥50	
Extinction Ratio	dB	≥18	≥20
Fiber Type	Input&Output	-	PM1550 Panda Fiber or 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G)
	ASE Guide Out (Y/X Type)	-	Same Fiber, Corr. SM Fiber or MM Fiber
Fiber Tensile Load	N	5	
Max. Optical Power (CW, ASE+Signal)	W	1, 2, 3, 5, 10, 15, 20	
Max. ASE Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 4, 5, 10	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)
	Metal Box	mm	(L)90x(W)12x(H)10 (>10W); (L)120x(W)12x(H)10 (≤10W)

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - High ER type can only work in slow axis; Suggest to use Y/X type or H Box if blocked optical power is ≥1W.
 - 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.

PACKAGE H (FOR HIGH ASE POWER)



ORDERING INFORMATION (PN)

Bandwidth	Type	ASE Type	Fwd ASE Fiber	Bwd ASE Fiber	Optical Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
50-5nm	R=High ER	B=Backward	Y=Same Fiber	Y=Same Fiber	1-1W	1-1W	M=Metal Box	2-PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	Blank for	T=Two-way	S=Corr. SM Fiber	S=Corr. SM Fiber	5-5W	5-5W	H=H Box	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	Standard	Blank for Forward	N=None	A=105/125um Fiber	10-10W	10-10W	Blank for SST	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		Blank for D Type	Blank for None or D Type	Blank for None or D Type	20-20W	Blank for 300mW		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

