

1480/1550/1590nm WDM/Iso/Tap PM Hybrid Filter

FEATURES

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

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks



SPECIFICATIONS

Parameters		Unit	Single Stage	Dual Stage
Signal Wavelength Range λ_1		nm	1530-1570 (C-Band), 1570-1610 (L-Band)	
Pump Wavelength Range λ_2		nm	1450-1490	
Excess Loss	Signal Channel@ λ_1	dB	≤ 1.1	≤ 1.3
Insertion Loss	Pump Channel@ λ_2	dB	≤ 0.8	
Signal Tap Ratio		%	1 \pm 0.5, 2 \pm 0.7, 5 \pm 1, 10, 20, 30, 40, 50	
Signal Isolation (Signal Channel@ λ_1 , 23°C)		dB	≥ 28	≥ 45
Wavelength Isolation	Signal Channel@ λ_2	dB	≥ 25	
	Pump Channel@ λ_1	dB	≥ 12	
Optical Return Loss		dB	≥ 45	
Extinction Ratio		dB	≥ 18	
Pump Type	S Type	-	Forward Pump, Only Slow Axis Working	
	F Type	-	Forward Pump, Both Axis Working	
	B Type	-	Backward Pump, Only Slow Axis Working	
Fiber Type	Common & Signal Port	-	PM1550 Panda Fiber, 10/125um PMDC Fiber (O),	
		-	12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q)	
		-	25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)	
	Pump Port	-	Same Fiber, Corr. SM Fiber or PM1310 Fiber	
	Tap Port	-	Same Fiber or Corresponding SM Fiber	
Fiber Tensile Load		N	5	
Maximum Optical Power (CW)		mW	300	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	$(\varnothing)5.5 \times 40$	
	Metal Box	mm	$(L)120 \times (W)12 \times (H)10$	

- 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.
 - 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.

ORDERING INFORMATION (PN)

Signal WL	Stage	Pump Type	Tap Ratio	Pump Fiber	Tap Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
L-L Band	S=Single Stage	S=S Type	01= 1%	P= PM1310 Fiber	P=Same Fiber	M=Metal Box	2=PM1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
Blank for	D=Dual Stage	F= F Type	05=5%	S=Corr. SM Fiber	S=Corr.	Blank for SST	O=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
C Band		B=B Type	10=10%	Y=Same Fiber	SM Fiber		T=12/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
			50=50%				R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector