

980/1053nm WDM/Isolator/Tap PM Hybrid

FEATURES

- Low Insertion Loss
- Epoxy-Free Optical Path
- 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	1053+/-10	
Pump Wavelength Range λ_2		nm	980+/-10	
Excess Loss@23°C	Signal Channel@ λ_1	dB	≤3.6	≤5.1
Insertion Loss@23°C	Pump Channel@ λ_2	dB	≤0.8	
Signal Tap Ratio		%	1+/-0.5%, 2+/-0.7%, 5+/-1.0%, 10%, 20%, 30%, 50%	
Signal Isolation (23°C, All SOP)		dB	≥25	≥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 Direction	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	-	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)	
	Pump Port	-	Same Fiber, Corr. SM Fiber, PM980 Fiber or HI1060 Fiber	
	Tap Port	-	Same Fiber or Corr. SM Fiber	
Fiber Tensile Load		N	5	
Max. Signal Optical Power (CW)		mW	200	
Max. Pump Optical Power (CW)		W	0.3, 0.5, 1, 2, 3, 5, 10	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x40	
	Metal Box	mm	(L)120x(W)12x(H)10	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB 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)

Stage	Pump Type	Tap Ratio	Pump Fiber	Tap Port Fiber	Pump Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S=Single	S=S Type	01=1%	Y=Same Fiber	P=Same Fiber	05=500mW	M=Metal Box	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
D=Dual	F= F Type	05=5%	P=PM980 Fiber	S=Corr. SM Fiber	1=W	Blank for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	B= B Type	10=10%	H=HI1060 Fiber		10=W		Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		50=50%	S=Corr. SM Fiber		Blank for 300mW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

