

980/1030nm PM WDM/Isolator Hybrid

FEATURES

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

APPLICATIONS

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

SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	
Signal Wavelength Range λ_1	nm	1030+/-10		
Pump Wavelength Range λ_2	nm	980+/-10		
Insertion Loss@23°C	Signal Channel@ λ_1	dB	≤4.6	≤8.3
	Pump Channel@ λ_2	dB	≤0.8	
Signal Isolation (23°C, All SOP)	dB	≥20	≥40	
Wavelength Isolation	Signal Channel@ λ_2	dB	≥25	
	Pump Channel@ λ_1	dB	≥12	
Optical Return Loss	dB	≥45		
Extinction Ratio	dB	≥18		
Working Mode	S Type	-	Can only work in Slow Axis	
	F Type	-	Can work both in Slow Axis and Fast Axis	
Fiber Type	Common and Signal Port	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L) 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)	
	Pump Port (980nm)	-	Same Fiber, Corr. SM Fiber, PM980 Fiber or HI1060 Fiber	
Fiber Tensile Load	N	5		
Max. Signal Optical Power (CW)	mW	50		
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)5.5x35	
	Metal Box	mm	(L)120x(W)12x(H)10	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. 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)

Wavelength	Stage	Pump Type	Work Mode	Pump Fiber	Pump Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
9803-980/1030nm	S=Single D=Dual	F=Forward B=Backward	S=S Type F=F Type	Y=Same Fiber P=PM980 Fiber H=HI1060 Fiber S=Corr. SM Fiber	05=500mW 1=W 10=W Blank for 300mW	M=Metal Box Blank for SST	2=PM980Fiber E=PM1060L Fiber Q=20/130 PMDC Fiber R=25/250 PMDC Fiber	B= Bare fiber L= Loose Tube 2= 2mm Cable 3= 3mm Cable	05=0.5m 10=1.0m 15=1.5m 20=2.0m	N=Without Connector FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector

