

980/1092nm 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	1092+/-10		
Pump Wavelength Range λ_2	nm	980+/-10		
Insertion Loss@23°C	Signal Channel@ λ_1	dB	≤2.7	≤4.2
	Pump Channel@ λ_2	dB	≤0.8	
Signal Isolation (23°C, All SOP)	dB	≥22	≥40	
Wavelength Isolation	Signal Channel@ λ_2	dB	≥25	
	Pump Channel@ λ_1	dB	≥12	
Optical Return Loss	dB	≥45		
PDL	dB	≤0.2	≤0.25	
Fiber Type	-	HI1060 Fiber or 10/125um SC Fiber (E)		
		10/125um DC Fiber (O), 15/130um DC Fiber (W)		
		20/130um DC Fiber (Q) or 25/250um DC Fiber (R)		
Fiber Tensile Load	N	5		
Max. Signal Optical Power (CW)	mW	300		
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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB higher, RL is 5dB lower.
 - 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)

FHWM-NNNN-	C	C	-(NN)	-(C)	(C)	C	NN	-CC/CCC
Wavelength	Stage	Pump Type	Pump Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
9809- 980/1092nm	S= Single D= Dual	F= Forward B= Backward	05=500mW 1=W 10=W Blank for 300mW	M= Metal Box Blank for SST	E=10/125 SC Fiber Q=20/130 DC Fiber R=25/250 DC Fiber Blank for HI1060 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