

2030~2070nm Polarization Beam Combiner(Splitter)/Isolator Hybrid

FEATURES

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

APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks



SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage
Working Wavelength (λ)	nm	2030 \pm 20, 2050 \pm 20, 2070 \pm 10	
Isolation (λ , 23°C)	dB	\geq 16	\geq 30
Insertion Loss (λ , 23°C)	dB	\leq 1.6	\leq 1.9
Optical Return Loss (Input/Output)	dB	50/45	50/45
Extinction Ratio	dB	\geq 18	
Fiber Type of Port 3	S Type	-	Corresponding SM Fiber
	P Type	-	Same Fiber to Port1&2, Slow axis align to Port 1
	Q Type	-	Same Fiber to Port1&2, Slow axis is 45° to Port 1
Fiber Type of Port1 & Port2	-	PM1550 Panda Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	
Dimension	Metal Box-M	mm	
		(Φ)5.5x35	
		(L)120x(W)12x(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) FHIC=PBC/Isolator Hybrid; FHIS=PBS/Isolator Hybrid.

FHIC FHIS	-NNNN	- C	C	- (C)	C	C	NN	- CC/CCC
	Center Wavelength	Stage	3rd Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
	2030- 2030nm	S- Single Stage	S=S Type	M= Metal Box	2=PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	2050- 2050nm	D- Dual Stage	P=P Type	Blank for SST	V=PM1950 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	2070- 2070nm		Q=Q Type		O=10/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
					R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector