1040nm 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
Center Wavelength (λc)		nm	1040	
Bandwidth		nm	+/-10	
Peak Isolation (Typ.)		dB	28	50
Isolation (λc+/-10nm, 23°C, All SOP)		dB	≥22	≥45
Typical Insertion Loss (λc, 23°C, All SOP)		dB	2.6	4.3
Insertion Loss (λc, 0-50°C, All SOP)		dB	≤3.5	≤6.7
Optical Return Loss (Input/Output)		dB	50/50	50/50
Extinction Ratio (for FHIS)		dB	≥20	
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 Port 1 & Port 2		-	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)	
Fiber Tensile Load		N	5	
Maximum Optical Power (CW)		mW	100	
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) *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
1040=1040nm	S= Single Stage	S=S Type	M=Metal Box	2=PM980 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	D= Dual Stage	P=P Type	*Blank* for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		Q=Q Type		Q=20/130 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