

1064nm PBC&PBS/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
- Dispersion Compensation
- Light Routing

SPECIFICATIONS

Parameter	Unit	Single Stage
Working Wavelength	nm	1064+/-5
Insertion Loss	(Typ.)	1.8
	(Max.)	2.1
Isolation@23°C	(Typ.)	35
	(Min.)	25
Optical Return Loss	dB	≥50
Extinction Ratio (for FHIS) (Min.)	dB	20
Fiber Type of Port 1 & Port 2	-	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)
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
Direction of Incident Polarization	-	Slow Axis
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 (Ø)5.5x35
Dimension	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) FHIC=PBC/Isolator Hybrid; FHIS=PBS/Isolator Hybrid.

FHIC	NNNN	-	C	C	-(C)	C	C	NN	-	CC/CCC
FHIS	Center Wavelength	Stage	3rd Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type		
	1064=1064nm	S= Single Stage	S=S Type P=P Type Q=Q Type	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		