

1700nm 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	Value	
Center Wavelength (λ_c)	nm	1700	
Isolation ($\lambda_c \pm 5\text{nm}$, 23°C)	dB	≥ 30	
Insertion Loss (λ_c , 23°C)	dB	≤ 1.4	
Insertion Loss (λ_c , 0-50°C)	dB	≤ 2.0	
Optical Return Loss (Input/Output)	dB	45/45	
Extinction Ratio (for FHIS)	dB	≥ 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 Port 1 & Port 2	-		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	(Φ)5.5x35
Dimension	Metal Box-M	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 0.3dB 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.

ORDERING INFORMATION (PN) FHIC=PBC/Isolator Hybrid; FHIS=PBS/Isolator Hybrid.

FHIC	-	NNNN	-	C	-	(C)	(C)	C	NN	-	CC/CCC
FHIS		<i>Center Wavelength</i>		<i>3rd Port Fiber</i>		<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>		<i>Connector Type</i>
		1700-1700nm		S=S Type		M=Metal Box	2=PM1550Fiber	B= Bare Fiber	05=0.5m		N=Without Connector
				P=P Type		Blank for SST	V=PM1950 Fiber	L= Loose Tube	10=1.0m		FC/APC=FC/APC Connector
				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