



Isolator Polarization Beam Combiner/Splitter(IPBC/IPBS)

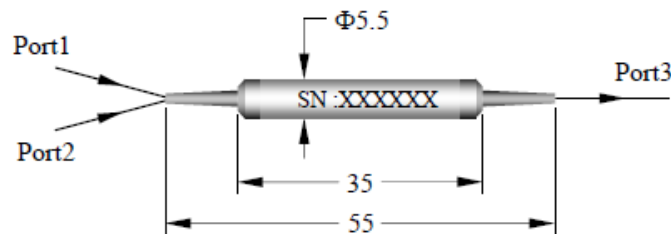
Features	Applications
High Reliability High Extinction Ratio Low Insertion Loss	EDFA & Raman Amplifier Polarization Coherent Telecommunication System Fiber Sensor

Specifications

Parameter		Unit			
Isolator Stage			Single stage	Dual Stage	Single stage
Operating wavelength		nm	1310, 1480, 1550		1064
Bandwidth		nm	±20		±5
Typ. Isolation		dB	35	51	35
Isolation		dB	≥25	≥42	≥25
Typ. Insertion Loss		dB	0.45	0.55	1.8
Insertion Loss		dB	≤0.70	≤0.80	≤2.1
Extinction Ratio(only for PBS)		dB	≥20	≥20	≥20
Directivity		dB	≥50		
Return loss		dB	≥50		
Power handling		mW	≤300		
Fiber Type	Port 1 & 2		Panda Fiber		
	Port 3		Single mode Fiber or Panda Fiber		
Operating temperature		°C	-20 ~ +70		
Operating temperature		°C	-40 ~ +85(°C)		
Dimensions(mm)		mm	φ5.5×35		

* For devices with connectors, 0.3dB(1310~1550) or 0.5(1064) higher for IL, 5dB lower for RL and 2dB lower for ER. For device with connector, key aligned to slow axis.

Package Dimensions





Ordering Information

	Isolator	Wavelength	Pigtail	Fiber	Length	Connector	Package
IPBC	S=Single	1064	0=250um	0=SMF-28e	0.8m	FC,SC,LC	5.5x35
IPBS	Stage	1310	bare fiber	1=HI1060		,ST,MU/U	
	D= Dual	1480	1=900um	2= PM fiber,Slow		PC,APC	
	Stage	1550	loose tube	axis align to Port 1			
				3= PM fiber, Slow			
				axis align 45° to			
				port 1			