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RUIK

Ruik-tech Communication (H.K.) CO.,LTD

1x2 Isolator Polarization Beam Combiner/Splitter

Features

- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Reliability
- High Stability

Applications

- EDFA & Raman Amplifier
- Fiber Sensor
- Coherent Telecommunication Systems
- Polarization Mode Dispersion Compensator

Specifications

Parameters		Unit	Values		
Stage		-	Dual	Single	
Center Wavelength		nm	1310,1550	1310,1550	1064
Operating Wavelength Range		nm	±20	±20	±5
Typ.Insertion Loss at 23℃		dB	0.55	0.45	1.8
Max.Insertion Loss at 23℃		dB	0.80	0.70	2.1
Typ.Isolation		dB	51	35	35
Min.Isolation		dB	42	20	25
Min.Extinction Ratio		dB	25	20	20
Directivity		dB		50	
Min.Return Loss		dB		50	
Max.Optical Power(CW)		mW		300	
Max.Tensile Load		N		5	
Fiber Type	Port1 & 2	-		PM Panda Fiber	
	Port3	-		PM Panda Fiber or SMF-28e or Hi1060	
Operating Temperature		℃		-5~+70	
Storage Temperature		℃		-40~+85	

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower;
The default connector key is aligned to slow axis;

Package Dimensions

Ordering Information

IPBC/S-1111-23456-777

1111	-Center Wavelength:	1550=1550nm,1310=1310nm,.....,0850=850nm
2	-Grade:	S=Single-core type, D=Dual-core type
3	-Fiber type for Port 3:	1=Panda fiber aligned to Port1,2=smf-28e,3=hi1060,4=Panda fiber 45°aligned to Port1
4	-Fiber type for Port 1,2:	1=Panda fiber, 2=smf-28e, 3=hi1060
5	-Pigtail type	0=250 bare fiber, 1=900um loose tube
6	-Fiber length:	0=0.8m,1=1m
777	-Connector type:	0=FC/UPC,1=FC/APC,2=SC/UPC,3=SC/APC,4=LC/UPC,5=LC/APC