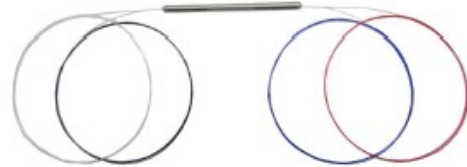


1X2(2X2) Polarization Maintaining Wide Band Coupler (Fused)

Features

- Low Excess Loss & Low Insertion Loss
- High Extinction Ratio
- High Stability and Reliability
- Available for Slow or Fast Axis Operation



Application

- Monitoring in Coherent Systems
- PM Fiber EDFAs
- Fiber Lasers

Specification

Operating wavelength	CR	IL (dB)	ER (dB)		Dimensions $\Phi \times L$ (mm)
			P	A	
1310, 1480, 1550 ± 40 nm	50/50	≤ 3.8	≥ 20	≥ 18	3 \times 54 or customized
	30/70	$\leq 6.1/2.3$			
	20/80	$\leq 8.1/1.7$			
	10/90	$\leq 11.5/1.2$			
	5/95	$\leq 14.5/0.9$	$\geq 18/20$	$\geq 16/20$	
	3/97	$\leq 17.1/0.6$			
	2/98	$\leq 18.5/0.5$			
	1/99	$\leq 22.0/0.45$	$\geq \text{no}/20$	$\geq \text{no}/18$	
	0.1/99.9	28~32 / 0.4			

Parameter	Unit	Specification
Return loss	dB	≥ 50
Directivity	dB	≥ 50
Power handling	mW	≤ 500
Operating temperature	$^{\circ}\text{C}$	-5~75
Storage temperature	$^{\circ}\text{C}$	-40~85
Fiber type		Panda PM fiber

a). The specifications are without connectors. For devices with connectors, IL should be 0.3 dB higher ,and ER should be 2dB lower.

b). The specifications are given for slow axis working only, if fast axis or both axis working needed, IL will be 0.3dB

c).For device adding connectors, key aligns to slow axis if no special requirement.

Package Dimensions



Ordering Information

CP	PMWBC	Grade	Port	Operating Wavelength	Coupling Ratio	Pigtail Type	Fiber Type	Length	Connector	Package	Working Axis
		P=P Grade A=A Grade	1x2=1x2 2x2=2x2	1310 1480 1550	50/50 1/99 etc	250=250mm 900=900mm 2000=2mm 3000=3mm	PM	0.8=0.8m etc	NE=NO FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC	3X54 90X14X8.5	S=Slow Axis B=Slow Axis and Fast Axis