

Polarization Maintaining Coupler



Product introduction

The polarization maintaining coupler that Accelink launched enables the linearly polarized signal transmission in optical fiber optical power redistribution. And maintain the polarization state stable without changes. The split ratio and package size can be customized. The products are Telcordia GR-1221-CORE qualified, and RoHS compliant

Feature

- Coupling ratio on customer request
- Low excess loss
- High extinction ratio

Applications

- Coherent optical communication
- Fiber Optic Gyroscope, Fiber optic hydrophone
- Interferometric sensors

Standards

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE

Specification

Parameter	Unit	Specification
Wavelength	nm	1525~1568
Splitting ratio		1/99~50/50
Fiber type		Panda fiber
Return loss	dB	>50
Directivity	dB	>55
Extinction ratio	dB	>18
Operation temperature	°C	-5~+65
Storage temperature	°C	-40~+85

Splitting ratio	Insertion Loss		Unit
	Max IL (Tap)	Max IL (Signal)	
30/70	6.1	2.3	dB
40/60	4.9	2.9	dB
50/50	3.8	3.8	dB

Note:

1. All the above data are measured without connector.
2. Polarization direction aligns to fiber's slow axis only.

Package and installation Dimension

	A	B	A35	C
Package (mm)	φ3×48	φ3×55mm	φ3×35	90×16×9
Installation (mm)	SST Tube	SST Tube	SST Tube	49.9×9.3×2φ3.0

Ordering Information

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