

Integrated Polarization Beam Combiner, Isolator and Depolarizer



Product Introduction

Accelink's Integrated Polarization Beam Combiner and Depolarizer (IPBCD) is used in Raman or Hybrid Raman/EDFAs. The function is to combine two pump lasers into one, which also has an Isolator to protect pump laser and scrambling the polarization of light to improve amplifier efficiency and performance within a single, compact-sized cylinder package. This product has low Insertion Loss, low DOP, etc.

Features

- Low Insertion Loss
- Low Degree of Polarization (DOP)
- High Power Handling
- Compact Package Size

Applications

- EDFA and Raman Amplifiers
- Highly Integrated Modules

Standards

- Telcordia GR-1221-CORE
- RoHS

Specifications

Parameters	Unit	Value
Operating Wavelength	nm	1440±30 1480±30
Insertion Loss	dB	≤0.9(A Grade), ≤0.7(P Grade)
Return Loss	dB	≥40
DOP	%	≤10
Direction of Incident Polarization	dB	Slow Axis
Directivity	dB	≥40
Power Handling	dB	≤1000
Operating Temperature	ps	-5~+70
Storage Temperature	dB	-40~+85

Package Dimension	mw	<=Φ5.5*62
Fiber Type	Input	250um Panda Fiber
	Output	SMF-28e 250um fiber

Note:Maximum IL is not including connectors,within all operating temperature.

Ordering Information

IPBCD- □-□-□-□-□

