



Polarization Maintaining Beam Splitter/Optical Circulator Hybrid

AC Photonics' Polarization Maintaining Beam Splitter/Optical Circulator (PBSC) combines the functions of a PM beam splitter and a PM circulator. It offers very low insertion loss and very high reliability.



Features

- Low Insertion Loss
- High Isolation
- Compact In-Line Package
- Epoxy Free Optical Path

Applications

- EDFAs
- Raman Amplifiers
- Optical Waveguide Modules
- Optical Network Applications

Performance Specifications

Parameter		Specification
Operating Wavelength Range(nm)		1525-1565 or 1570-1610
Typical Insertion Loss(dB) 1 to 2, 1 to 3, 2 to 4, or 3 to 4		1.0
Max.Insertion Loss(dB) 1 to 2, 1 to 3, 2 to 4, or 3 to 4		1.2
Typical Isolation (dB) 2 to 1, 3 to 1, 4 to 2, or 4 to 3		50
Min. Isolation (dB) 2 to 1, 3 to 1, 4 to 2, or 4 to 3		40
Typical Extinction Ratio (dB) 1 to 2, 1 to 3		20
Min. Extinction Ratio(dB) 1 to 2, 1 to 3		18
Direction of Incident Polarization		Slow Axis
Directivity(dB) 1 to 4(2 and 3 open) or 2 to 3		50
Min. Return Loss(dB)		50
Wavelength Dependent Loss(dB)		0.20
Max. Optical Power(mw)		500
Operating Temperature(°C)		0 ~ +70
Storage Temperature(°C)		-40~+85
Fiber Type	Port 1 and 4	400um Panda PM fiberr
	Port 2 and 3	SMF-28
Fiber Length(m)		0.75, 1.0; etc.
Color Coding (Port)		1-Black, 2-Green, 3-Red, 4-Clear
Dimensions (mm)		5.5(Dia.)x60(L)



Ordering Information

PBSC	Wavelength	Grade	Pigtail Style	Fiber Length	in/out Connector
	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
	15=C band 16=L band	P=P Grade	1=Bare fiber 2=900um Jacket	1=0.75m 2=1.0m S=Specify	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC

Dimensions

