

## OPC-Polarization-Sensitive Single/Dual Stage Isolator

### Features:

High Isolation  
Low Insertion Loss  
High Return Loss  
Low Polarization Sensitivity

### Applications:

Fiber optic Amplifiers  
CATV Fiberoptic Links  
Fiberoptic Systems Testing  
Fiberoptic LAN Systems  
Telecommunications



### Performance Specifications:

Parameter	Single stage optical isolator		Dual stage optical isolator	
	P	A	P	A
Grade				
Operating wavelength (nm)	1310 or 1550			
Typical peak isolation (dB) (23°C)	>42	>40	>52	>50
Minimum isolation * (dB) (23°C)	>32	>30	>46	>45
Insertion loss typical(dB)	0.3	0.4	0.4	0.5
Insertion loss maximum(dB)	<0.5	<0.7	<0.6	<0.8
Return loss (In/Out) (dB)	>65/60	>60/55	>65/60	>60/55
PDL (dB)	< 0.05	< 0.1	< 0.05	< 0.1
PMD (dB)	0.2(0.05 available upon request)			
Band width (nm)	±15		±30	
Operating temperature (°C)	-20 ~ + 70			
Storage temperature (°C)	-40 ~ +85			
Fiber type	Corning SMF-28			
Fiber length	1m			
Dimensions(mm)	5.5x30			
Power handling (mw)	300			

\* at 23 °C over bandwidth

\*\* Does not include connector, splice and fiber-end fresher losses.

\*\*\* Including PDL, operating wavelength range, -20° C to +70° C.

\*\*\*\*Specifications may change without notice

### Order Information:

OPC-Isolator-①-②-③-④-⑤-⑥

#### ① Isolator Type

1=Single stage  
2=Dual stage

#### ⑤ Fiber length

1=1.0m  
2=1.5m  
3=2.0m  
4=Customized

#### ② Operating wavelength

13=1310nm  
14=1480nm  
15=1550nm  
LB=L band

#### ⑥ In/out connector

0=none  
1=FC/APC  
2=FC/PC  
3=SC/AC  
4=SC/PC  
5=ST  
6=LC

#### ③ Grade

P=P Grade  
A= A Grade

#### ④ Pigtail type

1=Bare Fiber  
2=2=900um jacket