

# OPC-1480nm Single / Dual Stage Isolator

## Features:

- High Isolation
- Low Insertion Loss
- High Return Loss
- Low Polarization Sensitivity

## Applications:

- Fiberoptic Amplifiers
- CATV Fiberoptic Links
- Fiberoptic Systems Testing
- Fiberoptic LAN Systems
- Telecommunications



## Performance Specifications:

Product name	1480 single stage isolator		1480 dual stage isolator	
	P Grade	A Grade	P Grade	A Grade
Operating wavelength (nm)	1480			
Typical peak isolation (dB)	42	40	55	52
Isolation minimum(dB)	32	30	45	44
Insertion loss typical (dB)	0.4	0.5	0.5	0.6
Insertion loss maximum(dB)	0.6	0.8	0.7	0.9
Return loss (In/Out) (dB)	> 65/60	> 60/55	> 65/60	> 60/55
Polarization dependent loss (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	1 rice			
Dimensions(mm)	Ø5.5xL35			
Power handing (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

### ①Isolator Type

- 1=Single stage
- 2=Dual stage

### ②Operating wavelength

- 10=1060nm
- 13=1310nm
- 14=1480nm
- 15=1550nm
- LB=L band

### ③Grade

- P=P Grade
- A= A Grade

### ④Pigtail type

- 1=Bare Fiber
- 2=2=900um jacket

### ⑤Fiber length

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

### ⑥ In/out connector

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