

OPC-L-Band 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:

Parameter	Single stage optical isolator		Dual stage optical isolator	
	P	A	P	A
Grade				
Operating wavelength (nm)	1310 or 1550			
Typical Isolation (dB)	>42	>40	>52	>50
Min. Isolation (dB)	>32	>30	>46	>45
Max. insertion Loss (dB)	0.3	0.4	0.4	0.5
Typical Insertion Loss (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

② Operating wavelength

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

③ Grade

P=P Grade
A= A Grade

④ Pigtail type

1=Bare Fiber
2=2=900um jacket

⑤ Fiber 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