



Polarization-Insensitive Dual Stage S, C and L-Band Optical Isolator



Features

- High Isolation
- Low Insertion Loss
- High Return Loss
- Low Polarization Sensitivity
- Optical Path Epoxy Free

Applications

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

Performance Specifications

Parameter	Specifications
Operating Wavelength(nm)	1460 ~ 1610
Peak Isolation(Typ.)(dB)	50
Isolation(Min. @23°C, SOP*)(dB)	≥45
Isolation(Min. @0 ~ +60 °C, SOP*)(dB)	>40
Insertion Loss(Typ. @0 ~ +60 °C, SOP**) (dB)	0.6
Insertion Loss(Max. @0 ~ +60 °C, SOP**) (dB)	≤0.9
Return Loss (In/Out)(dB)	60/55
PDL(dB)	≤0.1
PMD(ps)	0.05
Operating Temperature (°C)	-20 ~ +70
Storage Temperature (°C)	-40 ~ +85
Fiber Type	Corning SMF-28
Fiber Length (Min.)	1 meter each end
Fiber Pigtail Type	250um bare fiber or 900um tight buffer
Dimensions (mm)	φ5.5xL34
Power Handling(mW)	300

* SOP: All states of polarization

** Does not include connector, splice and fiber-end

Ordering Information

Isolator Type	Wavelength	Pigtail Style	Fiber Length	Package	In/Out Connector
IU=Dual Stage	SCL=S,C and L Band	1=Bare Fiber 2=900um Jacket	1=1.0m 2=1.5m 3=2.0m 4=Custom Length	B=Package B	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC

