



Mini Polarization-Insensitive Dual Stage Optical Isolator



Features

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

Applications

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

Performance Specification

Parameter	Premium	A Grade
Operating Wavelength(nm)	1310±30, 1480±30, 1550±30 Or Custom	
Peak Isolation (Typ.) (dB)	58	56
Isolation(Min.)*(dB)	≥42	≥40
Insertion Loss(Typ.)**(dB)	<0.55	<0.60
Insertion Loss(Max.)***(dB)	≤0.75	≤0.80
Return Loss (In/Out)(dB)	≥55/50	≥55/50
PDL(dB)	≤0.1	≤0.15
PMD(ps)	0.25(0.05 available upon request)	
Operating Temperature (°C)	0 ~ +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)	Φ3.0x25	
Power Handling (mW)	300	

* At 23°C over bandwidth

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

*** Including PDL, center wavelength ±15nm, -20°C to +70°C

Ordering Information

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Isolator Type	Wavelength	Grade	Pigtail Style	Fiber Length	Package	In/Out Connector
IU=Dual Stage	13=1310nm 14=1480nm 15=1550nm	S=Super P=Premium A=A Grade	1=Bare Fiber 2=900um Jacket	1=1.0m 2=1.5m 3=2.0m 4=Custom Length	M=Mini	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC