High Power Polarization-Insensitive OPtical Isolator

Features

- High Power Handling
- Low Insertion Loss/ high Isolation
- 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

Stage	Single stage		Dual Stage	
Grade	P	A	P	A
Operating Wavelength (nm)	1310 or 1480,1550			
Typical Peak Isolation (dB)	42	42	58	55
Minimum Isolation *(dB)	32	32	44	4 3
Typical Insertio Loss** (dB)	0.40	0.50	0.55	0.65
Maximum Insertion Loss***(dB)	0.6	0.7	0.7	0.8
Return Loss (In/Out) (dB)	≥ 60/55	≥ 60/55	≥ 60/55	≥ 60/55
PDL (dB)	≤0.05	≤0.05	≤0.1	≤0.1
PMD (ps)	0.25(0.05 available upon request)			
Bandwidth (nm)	±15		±30	
Operating Temperature (°C)	-5~ + 70			
Storage Temperature (°C)	-40 ~ + 85			
Fiber Type	Corning SMF-28			
Fiber Length (Min.)	1 meter each end			
Dimensions (mm)	Φ5.5xL35(L38 for 900um jacket)			
Power Handing (W)	1, 2, 3, 5			

* At 23°C over bandwidth

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

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

Ordering Information

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Isolator Type	**Wavelength**	**Grade**	**Pigtail Style**	**Fiber Length**	**Package**	**In/Out Connector**	
HPIS=Single Stage HPIU=Dual Stage	13=1310nm 14=1480nm 15=1550nm LB=L Band	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	B=Package B	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC	1=1W 2=2W 3=3W 5=5W

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