acphotonics

RoHS COMPLIANT

High Power Multimode Polarization-Insensitive Optical Isolator

PERFORMANCE SPECIFICATIONS

Parameter	Specifications	
Operating Wavelength	1310nm, 1550nm, 1585nm or custom	
Stage	Single	Dual
Grade	P	P
Typical Peak Isolation	40dB	48dB
Minimum Isolation	≥ 28[1]dB	≥ 36[1]dB
Typical Insertion Loss	0.6[2]dB	0.65[2]dB
Insertion Loss	≤ 0.8[3]dB	≤ 0.9[3]dB
Return Loss (In/Out)	≥ 35dB	≥ 35dB
Polarization Dependent Loss	≤ 0.10dB	≤ 0.10dB
Polarization Mode Dispersion	≤ 0.2ps (0.05 available upon request)	
Bandwidth	± 15nm	± 30nm
Optical Power	≤ 10W	
Operating Temperature	-20 to +70°C	
Storage Temperature	- 40 to +85°C	
Package Dimensions	A= Standard, Φ5.5xL35mm for 250um pigtail fiber), Φ5.5xL38mm for 900um pigtail fiber)	

Note: 1) Overall bandwidth at 23°C
2) Not including connector, splice and fiber-end Fresnel losses.
3) Including PDL, operating wavelength range, -20° C to +70° C.
All values referenced are without connector.

FEATURES

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

APPLICATION

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

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MECHANICAL DIMENSIONS

A package:

PORT CONFIGURATIONS

ORDERING INFORMATION

Type	Operating Wavelength	Grade	Package	Fiber Type	Pigtail Style	Fiber Length*	In Connector	Out Connector
MMH1IS=Single stage, 1W · · MMH10IS=Single stage, 10W MMH1IU=Dual stage, 1W · MMH10IU=Dual stage, 10W	31=1310nm 55=1550nm 58=1585nm SS=Custom	P=P grade	A= A package	A=50/125 B=62.5/125	1=Bare fiber 2=900um loose tube	05=0.50m 10=1.0m · · 2=2.0m	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC

*Other length is available upon request, However, 900µm loose tube is only up to 2m.