



High Power Multimode Polarization-Insensitive Optical Isolator

PERFORMANCE SPECIFICATIONS

Parameter	Specifications	
	Single	Dual
Operating Wavelength	1310nm, 1550nm, 1585nm or custom	
Stage	Single	Dual
Grade	P	P
Typical Peak Isolation	40dB	48dB
Minimum Isolation	$\geq 28^{1)}$ dB	$\geq 36^{1)}$ dB
Typical Insertion Loss	$0.6^{2)}$ dB	$0.65^{2)}$ dB
Insertion Loss	$\leq 0.8^{3)}$ dB	$\leq 0.9^{3)}$ dB
Return Loss (In/Out)	≥ 35 dB	≥ 35 dB
Polarization Dependent Loss	≤ 0.10 dB	≤ 0.10 dB
Polarization Mode Dispersion	≤ 0.2 ps (0.05 available upon request)	
Bandwidth	± 15 nm	± 30 nm
Optical Power	≤ 10 W	
Operating Temperature	-20 to +70°C	
Storage Temperature	-40 to +85°C	
Package Dimensions	A= Standard, $\Phi 5.5 \times L35$ mm for 250um pigtail fiber), $\Phi 5.5 \times L38$ mm for 900um pigtail fiber)	

FEATURES

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

APPLICATION

- Fiber optic Amplifiers
- CATV Fiber optic Links
- Fiber optic Systems Testing
- Fiber optic LAN Systems
- Telecommunications

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.

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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	31=1310nm	P=P grade	A=A package	A=50/125	1=Bare fiber	05=0.50m	0=None	0=None
·	55=1550nm			B=62.5/125	2=900um loose tube	10=1.0m	1=FC/APC	1=FC/APC
·	58=1585nm					·	2=FC/PC	2=FC/PC
MMH10IS=Single stage, 10W	55=1550nm					·	3=SC/APC	3=SC/APC
MMH11IU=Dual stage, 1W	55=1550nm					2=2.0m	4=SC/PC	4=SC/PC
·	55=1550nm						5=ST	5=ST
·	55=1550nm						6=LC/UPC	6=LC/UPC
MMH10IU=Dual stage, 10W	55=1550nm						7=LC/APC	7=LC/APC