Multimode High Power Inline Optical Isolator

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks

SPECIFICATIONS

Parameter		Unit	Value
Center Wavelength (λc)		nm	1310, 1550
Bandwidth		nm	+/-20
Peak Isolation (Typ.)		dB	50
Isolation (λc+/-20nm, 23°C)		dB	≥42
Insertion Loss (λc, 23°C)		dB	≤0.5
Insertion Loss (λc+/-20nm, 0-50°C)		dB	≤0.8
Optical Return Loss (Input/Output)		dB	30/30
Fiber Type		-	50/125um or 62.5/125um MM Fiber 50/125um MM OM3 Fiber 105/125um MM Fiber
Fiber Tensile Load		N	5
Maximum Optical Power (CW)		W	1, 2, 3, 5, 10
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x62
	Metal Box-M	mm	(L)120x(W)12x(H)10

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 10dB lower.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. Specifications are tested at low order modes.

5. Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

FMIS-NNNN -HP NN -(C) C C NN - CC/CCC

Center Wavelength
- 1310= 1310nm
- 1550= 1550nm

Optical Power
- 1=1W
- 3=3W
- 5= 5W
- 10=10W

Package
- M=Metal Box
- *Blank* for SST

Fiber Type
- 5= 50/125um MM Fiber
- 6= 62.5/125um MM Fiber
- 3= OM3 MM Fiber
- A= 105/125um MM Fiber NA=0.22
- B= 105/125um MM Fiber NA=0.15

Fiber Sleeve
- B=Bare Fiber
- L=Loose Tube
- 2= 2mm Cable
- 3= 3mm Cable

Fiber Length
- 05=0.5m
- 10=1.0m
- 15=1.5m
- 20=2.0m

Connector Type
- N=Without Connector
- FC/APC=FC/APC Connector
- LC/PC=LC/PC Connector
- SC/APC=SC/APC Connector