Multimode Inline Optical Isolator for Pulse Power

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 Average Power		W	0.3, 0.5, 1, 2, 3, 5, 10
Max. Peak Power for Pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20
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	-H NN	P NN	-(C)	C	C	NN	- CC/CCC
Center Wavelength	*Average Power*	*Peak Power*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
1310= 1310nm	03=300mW	01=100W	M=Metal Box	5= 50/125um MM Fiber	B=Bare Fiber	05=0.5m	N=Without Connector
1550= 1550nm	1= 1W	3= 3kW	*Blank* for SST	6= 62.5/125um MM Fiber	L=Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	5= 5W	10= 10kW		3= OM3 MM Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	10=10W	20=20kW		A= 105/125um MM Fiber NA=0.22	3= 3mm Cable	20=2.0m	SC/APC=SC/APC Connector
				B= 105/125um MM Fiber NA=0.15			