

## Multimode 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 ( $\lambda_c$ )	nm	1310, 1550	
Bandwidth	nm	+/-20	
Peak Isolation (Typ.)	dB	50	
Isolation ( $\lambda_c \pm 20\text{nm}$ , 23°C)	dB	$\geq 42$	
Insertion Loss ( $\lambda_c$ , 23°C)	dB	$\leq 0.5$	
Insertion Loss ( $\lambda_c \pm 20\text{nm}$ , 0-70°C)	dB	$\leq 0.8$	
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)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	( $\varnothing$ )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. Specifications are tested at low order modes.
  4. Devices for higher optical power or with other type fiber or consigned fiber are also available.

### ORDERING INFORMATION (PN)

<b>FMIS-</b>	<b>NNNN</b>	<b>- (C)</b>	<b>C</b>	<b>C</b>	<b>NN</b>	<b>- CC/CCC</b>
	<i>Center Wavelength</i>	<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
	1310-1310nm	M= Metal Box	5= 50/125um MM Fiber	B= Bare Fiber	05=0.5m	N= Without Connector
	1550-1550nm	Blank for SST	6= 62.5/125um MM Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
			3= OM3 MM Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
			A= 105/125um MM Fiber NA=0.22	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector
			B= 105/125um MM Fiber NA=0.15			