

1064nm 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 (λ_c)	nm	1064
Bandwidth	nm	+/-10
Peak Isolation (Typ.)	dB	30
Isolation (λ_c +/-10nm, 23°C)	dB	≥16
Typical Insertion Loss (λ_c , 23°C)	dB	≤1.2
Insertion Loss (λ_c +/-10nm, 23°C)	dB	≤3.0
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	mW	300
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	mm	(Φ)5.5x62

- 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)

FMIS-NNNN	-H NN	P NN	- C	C	NN	- CC/CCC
<i>Center Wavelength</i>	<i>Average Power</i>	<i>Peak Power</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
1064=1064nm	03=300mW	01=100W 1=1kW 5=5kW 10=10kW	5= 50/125um MM Fiber 6= 62.5/125um MM Fiber 3= OM3 MM Fiber A= 105/125um, NA=0.22 B=105/125um, NA=0.15	B=Bare Fiber L=Loose Tube 2= 2mm Cable 3= 3mm Cable	05=0.5m 10=1.0m 15=1.5m 20=2.0m	N=Without Connector FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/APC=SC/APC Connector