

960~1120nm High Power MM Optical Isolator for Pulse Power

FEATURES

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

APPLICATIONS

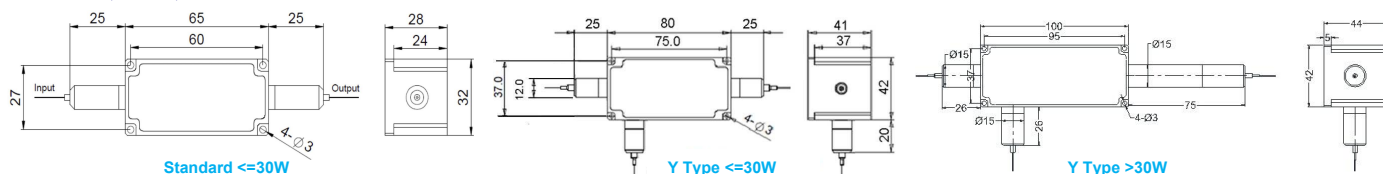
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks

SPECIFICATIONS

Parameter	Unit	High Power Type
Center Wavelength (λ_c)	nm	975, 980, 1000, 1020, 1030, 1040, 1053, 1064, 1070, 1080, 1092, 1103, 1120
Operating Wavelength Range	nm	+/-10
Peak Isolation (Typ.)	dB	25
Min. Isolation (23°C)	dB	20
Typical Insertion Loss (λ_c , 23°C)	dB	0.8
Max. Insertion Loss (λ_c , 23°C)	dB	1.5
Optical Return Loss (Input/Output)	dB	≥ 25
Configuration	-	Standard: 2-Port; Y Type: 3-Port, Backward Power Guide Out
Fiber Type	Input&Output	50/125um or 62.5/125um MM Fiber 50/125um MM OM3 Fiber
	3 rd Port (Y Type)	Same Fiber
Fiber Tensile Load	N	5
Max. Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60, 80, 100
Max. Backward Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 5, 10
Operating Temperature	°C	0~50
Storage Temperature	°C	-20~75

- 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. Suggest to use Y type for >20W Optical Power or continuous backward power of $\geq 1W$.
 5. Devices for higher optical power or with other type fiber or consigned fiber are also available.
 6. Specifications are tested at low order modes.
 7. Package dimensions may be different for different optical power, fiber type and configurations.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FMIS-NNNN	- (C)	HP NN	- (NN)	- C	C	NN	- CC/CCC
Center Wavelength	3 rd Port Fiber	Optical Power	Backward Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
980~980nm	Y= Same Fiber	1~1W	05=500mW	5= 50/125um MM Fiber	8= Bare Fiber	05=0.5m	N=Without Connector
1064~1064nm	Blank for Standard	5=5W	1=1W	6= 62.5/125um MM Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1080~1080nm		10=10W	10=10W	3= OM3 MM Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1120~1120nm		100=100W	Blank for 300mW		3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector