

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

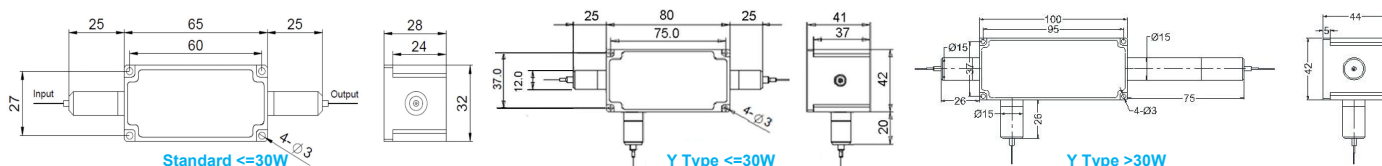
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks

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. Average Optical Power	W	1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60, 80, 100
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20
Max. Backward Average Power	W	0.3, 0.5, 1, 2, 3, 5, 10
Operating Temperature	°C	0~50
Storage Temperature	°C	-20~75

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 10dB lower.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - Suggest to use Y type for >20W Optical Power or continuous backward power of $\geq 1W$.
 - Devices for higher optical power or with other type fiber or consigned fiber are also available.
 - Specifications are tested at low order modes.
 - Package dimensions may be different for different optical power, fiber type and configurations.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FMIS-NNNN	- (C)	H	NN	PNN	- (NN)	- C	C	NN	- CC/CCC
Center Wavelength	3 rd Port Fiber	Average Power	Peak Power	Backward Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
980~980nm	Y= Same Fiber	1~1W	01= 100W	05=500mW	5= 50/125um MM Fiber	B= Bare Fiber	05=0.5m	N=Without Connector	
1064~1064nm	Blank for Standard	5~5W	1~1kW	1~1W	6= 62.5/125um MM Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
1080~1080nm		10~10W	10~10kW	10~10W	3= OM3 MM Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
1120~1120nm		100~100W	20~20kW	Blank for 300mW		3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	

