

## 1200~1250nm High Power 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	1200, 1230, 1250	
Bandwidth	nm	+/-10	
Isolation ( $\lambda_c$ +/-10nm, 23°C)	dB	≥22	
Insertion Loss ( $\lambda_c$ +/-10nm, 23°C)	dB	≤1.6	
Optical Return Loss (Input/Output)	dB	45/45	
PDL (23°C)	dB	≤0.15	
Fiber Type	-	HI1060 Fiber or HI1060 Flex Fiber	
Fiber Tensile Load	N	5	
Max. Optical Power (CW)	W	1, 2, 3, 5 10	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35
	Metal Box	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 0.5dB higher, RL is 5dB lower.
  3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  4. Devices for higher optical power or with other type fiber or consigned fiber are also available.

### ORDERING INFORMATION (PN)

FISO-	NNNN	-HP NN	-(C)	C	C	NN	- CC/CCC
Center Wavelength	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
1200= 1200nm	1=1W	M= Metal Box	H=HI1060 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector	
1230= 1230nm	3=3W	Blank for SST	L=HI1060 Flex Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
1250= 1250nm	5=5W			2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
	10=10W			3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	