

## 460-690nm Optical Isolator

### FEATURES

- ▣ High Isolation
- ▣ Low Insertion Loss
- ▣ High Reliability and Stability
- ▣ Various Bandwidth
- ▣ High Optical Power

### APPLICATIONS

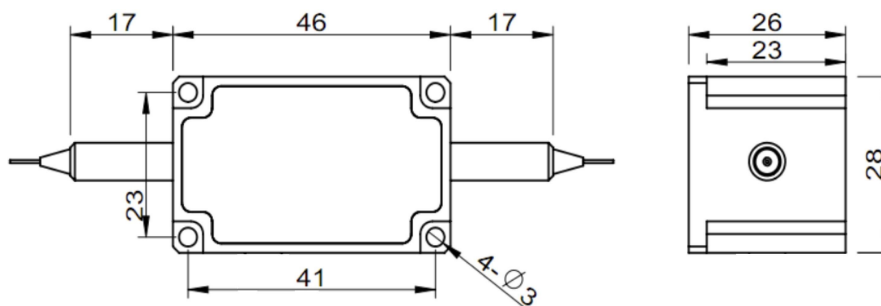
- ▣ Broadband Systems
- ▣ Optical Amplifying Systems
- ▣ Telecommunication Networks
- ▣ Laser Systems
- ▣ Research Labs

### SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength ( $\lambda_c$ )	nm	460, 488, 532	635, 650, 689
Working Wavelength	nm	+/-5	
Peak Isolation (Typ.)	dB	25	
Isolation ( $\lambda_c$ , 23°C)	dB	≥20	
Insertion Loss (Typ, $\lambda_c$ , 23°C)	dB	1.6	1.4
Insertion Loss (Max, $\lambda_c$ , 23°C)	dB	2.2	1.8
Optical Return Loss (Input/Output)	dB	45/45	
PDL	dB	≤0.3	
Fiber Type	-	460-HP Fiber	630-HP Fiber
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	30	
Operating Temperature	°C	10~45	
Storage Temperature	°C	-10~65	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 1.3dB higher, RL is 5dB lower.
  3. Devices for higher optical power or with other type fiber or consigned fiber are also available.
  4. Package size may be different for different optical power and fiber type.

### PACKAGE DIMENSION



### ORDERING INFORMATION (PN)

<b>FISO-</b>	<b>NNN</b>	-	<b>C</b>		<b>NN</b>	-	<b>CC/CCC</b>
	<i>Center Wavelength</i>		<i>Fiber Sleeve</i>		<i>Fiber Length</i>		<i>Connector Type</i>
	488-488nm		B= Bare fiber		05=0.5m		N=Without Connector
	532-532nm		L= Loose Tube		10=1.0m		FC/APC=FC/APC Connector
	638-638nm		2= 2mm Cable		15=1.5m		LC/PC=LC/PC Connector
	650-650nm		3= 3mm Cable		20=2.0m		SC/UPC=SC/UPC Connector