

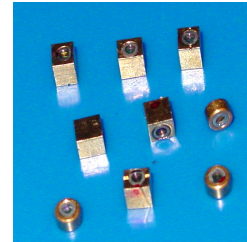
Free Space Optical Isolator

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	Single Stage	Dual Stage
Center Wavelength (λ_c)	nm	1310, 1550	
Bandwidth	nm	+/-20	
Peak Isolation (Typ.)	dB	42	55
Isolation (23°C)	dB	≥ 24	≥ 44
Insertion Loss (Typ, 23°C)	dB	≤ 0.20	≤ 0.30
Insertion Loss (Max, 23°C)	dB	≤ 0.30	≤ 0.40
Clear Aperture	mm	$(\Phi)0.8, (\Phi)2.5$	
Work Mode	-	Polarization Sensitive	
Output Polarization	-	45° to Input Direction	90° to Input Direction
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	$(\Phi)0.8$	$(\Phi)2.5 \times 1.4$	$(\Phi)2.5 \times 2.1$
	$(\Phi)2.5$	$(\Phi)5.0 \times 3.0$	

Note: 1. Devices for higher optical power and pulse power are also available.

ORDERING INFORMATION (PN)

FISF-	NNNN	-	C	-	NN
	<i>Center Wavelength</i>		<i>Stage</i>		<i>Clear Aperture</i>
	1310= 1310nm		S= Single Stage		08= $(\Phi)0.8$ mm
	1550= 1550nm		D= Dual Stage		25= $(\Phi)2.5$ mm