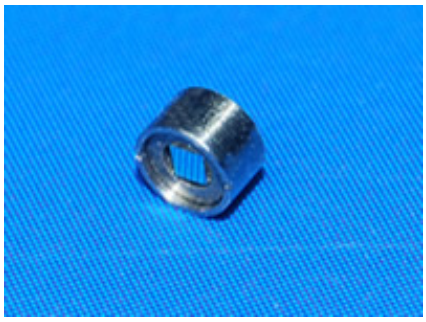
Crystal-based Free Space Isolator

Features:

"High Isolation" based on Birefringence
Low Cost with Higher Performance
Seamless Replacement for Traditional-FSI
Customized Option for CA and Dimension
Environmentally Stable and RoHS Compliant



Applications:

Optical Transmitters
Pump Laser

Specifications :

Parameter		Unit	Single Stage
Central Wavelength (λc)		nm	1310,1490,1550 (or other wavelength available)
Isolation (λc +/- 25 nm, 23 °C)	Min.	dB	35
Insertion Loss (λc, 23 °C)	Max.	dB	0.3
Clear Aperture		mm	(Φ)0.9 (standard)
Out Diameter (O.D.)		mm	2.50 +/- 0.05 (standard)
Power Handling	Max.	mW	500
Length		mm	1.1+/- 0.1 (standard)
Operating Temperature		°C	0~70
Storage Temperature		°C	-40~ 85

Order Information:

CFSI - XXXX - X - XX - X
A B C D

A	Wavelength	1310=1310nm
		1470=1470nm
		1490=1490nm
		1550=1550nm
		……
B	Size (mm)	1=(Φ)3.0×(L) 3.0
		2=(Φ)3.0×(L) 2.0
		3=(Φ)2.5×(L) 3.0
		4=(Φ)2.5×(L) 2.0
		5=(Φ)2.5×(L) 1.4
		6=(Φ)2.5×(L) 1.1
		7=(Φ)1.8×(L) 1.7
		8=(Φ)1.8×(L) 1.1
		S=Custom
C	Clear Aperture	40=0.40mm
		70=0.70mm
		85=0.85mm
		90=0.90mm
		SS=Custom
D	Metal Tube	N= None
		Y= With