

Free Space Polarization Dependent Isolator Core (FSI)

Features

High Isolation
Low Insertion Loss
Large Aperture

Applications

Fiber Optic Laser
Transceiver Module
High Speed WDM



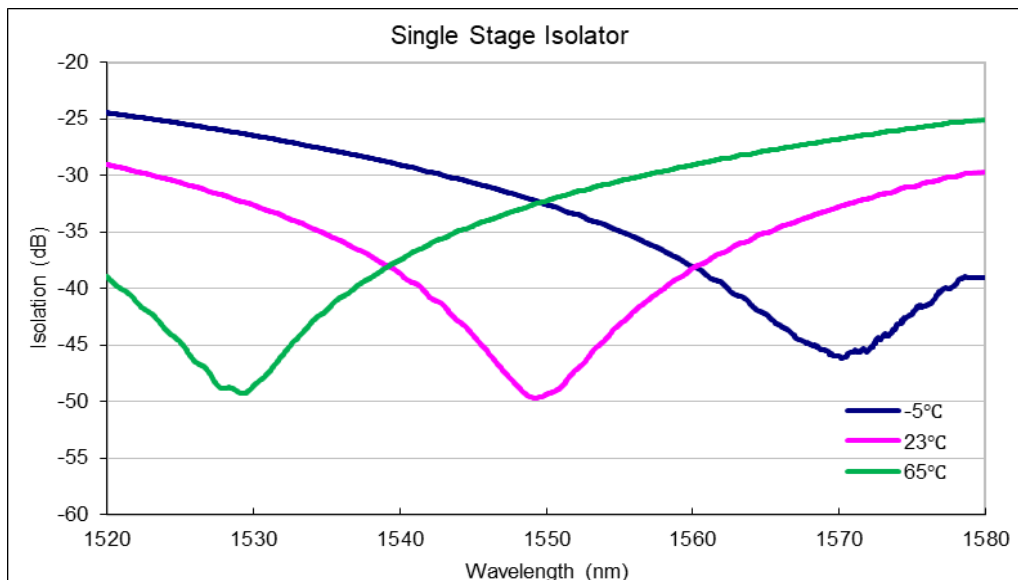
Specifications

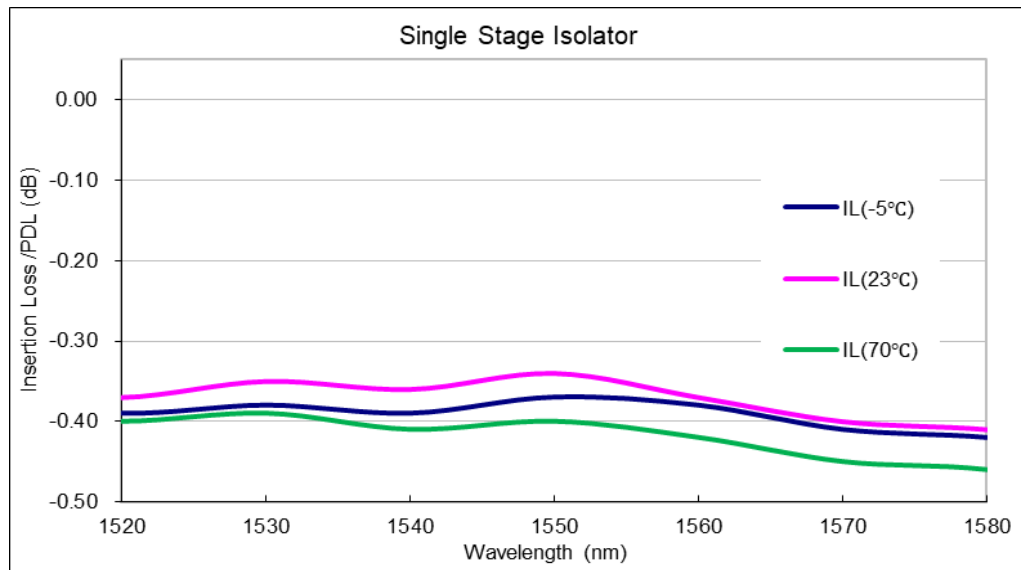
Parameters	-	Value	
Stage	-	Single Stage	Dual Stage
Center Wavelength ^[1]	nm	1310,1550 or CWDM Wavelength	
Operating Wavelength Range	nm	±10	
Peak Isolation (at 23°C)	dB	40	60
Isolation (-20°C to 70°C)	dB	≥22	≥40
Isolation (at 23°C)	dB	≥38	≥55
Typ. Insertion Loss (at 23°C)	dB	0.18	0.3
Insertion Loss (at 23°C)	dB	≤0.25	0.35
Minimum Clear Aperture ^[2]	mm	Φ0.8	Φ0.8
Optical Power	mW	≤300	
Operating Temperature	°C	-20 ~ +85	
Storage Temperature	°C	-40 ~ +85	

^[1] Other wavelength available on request, CWDM wavelength including 1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610nm

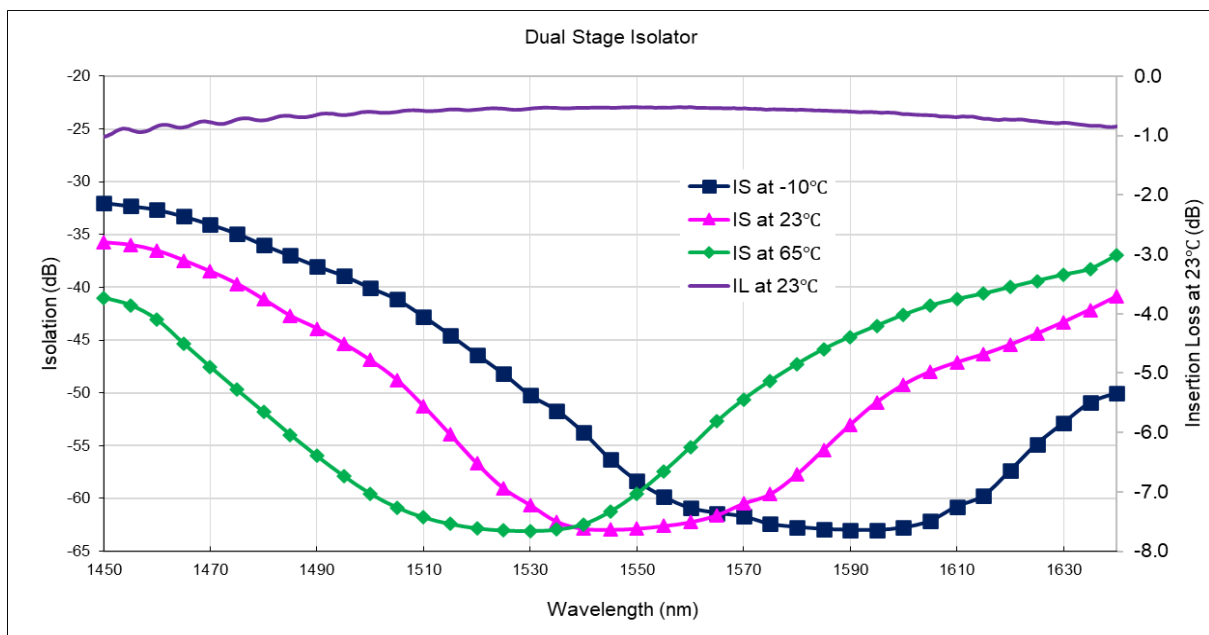
^[2] Larger size available on request

Typical Spectrum

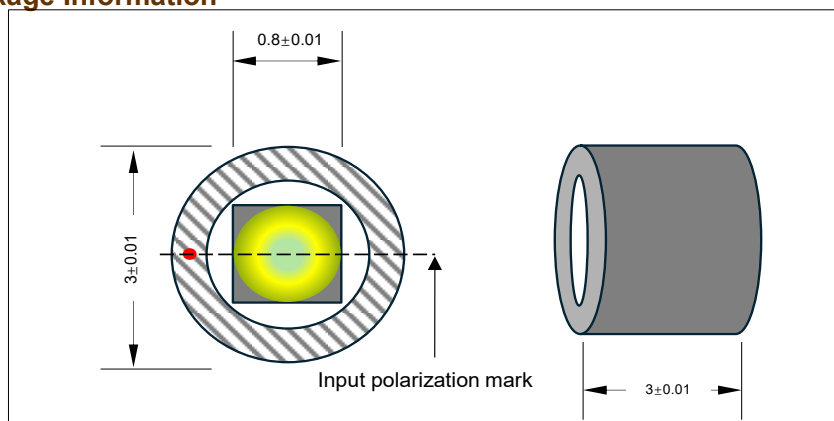




* Above spectrum has fiber collimator loss (about 0.2dB) included.



Package Information



Ordering Information

FSI- ①-②②②②-③③③③③③③-④④④

①	Type	S=Single Stage; D=Dual Stage;
②	Wavelength	1550=1550; 1310=1310; XXXX=Other;
③	Optical Path Orientation	2.5x1.4; 3.0x1.4; 2.5x3.0; 3.0x3.0; 3.0x2.5;
④	Clear Aperture	0.8=0.8; XX=Other;