

Polarization Insensitive Isolator Core (1310, 1550, 1064nm) (IC)

Features

High isolation & Low insertion loss
Low PDL & PMD
Wide Operating Wavelength

Applications

Isolator
Laser Module
Integrated Device



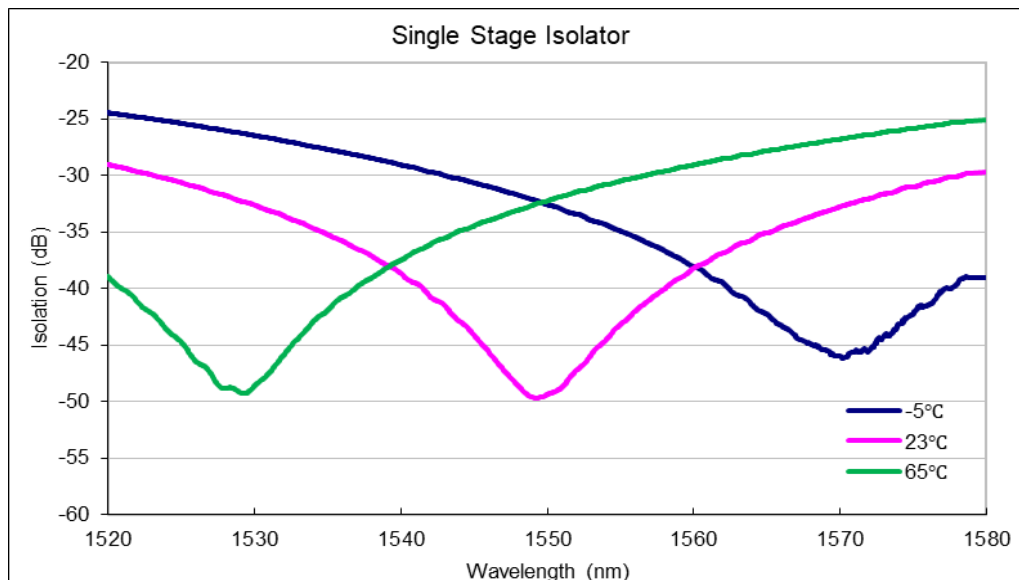
Specifications

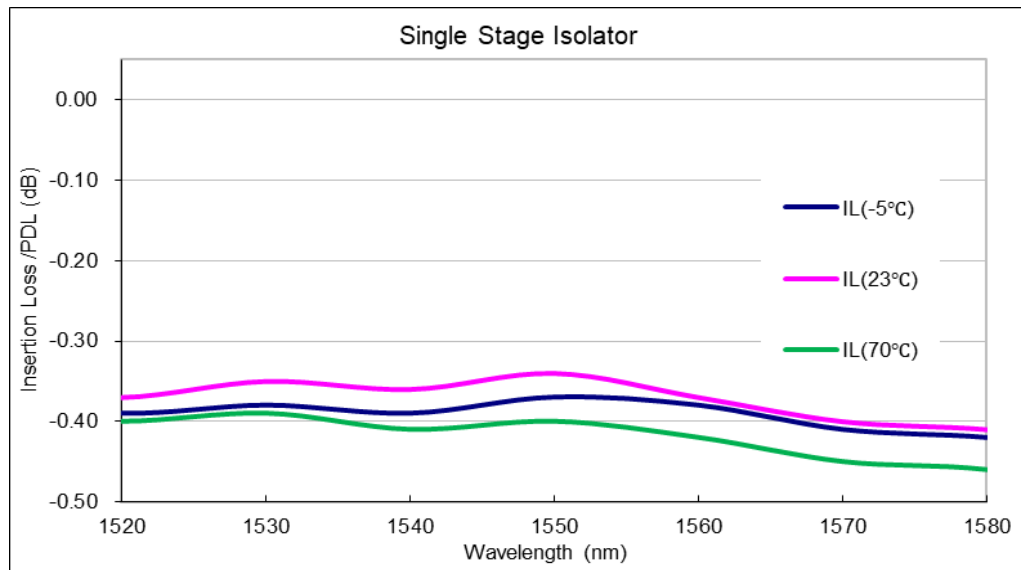
Parameters	-	Value			
Stage	-	Single Stage	Dual Stage	Single Stage	Dual Stage
Center Wavelength ^[1]	nm	1310, 1550, 1590		1064	
Operating Wavelength Range	nm	±20		±5	
Typ. Peak Isolation	dB	42	52	38	52
Isolation at 23°C	dB	≥32	≥46	≥35	≥48
Insertion Loss at 23°C	dB	≤0.12	≤0.25	≤1.0	≤2.0
PDL at 23°C	dB	≤0.05	≤0.05	≤0.05	≤0.1
PMD	ps	≤ 0.2	≤0.05	≤ 0.2	≤0.05
Minimum Clear Aperture ^[2]	mm	0.9			
Optical Power	mW	≤300			
Operating Temperature	°C	-5 to +70		-5 to +50	
Storage Temperature	°C	-40 ~ +85			
Storage Temperature	°C	-40 ~ +85			

^[1] Other wavelength available on request.

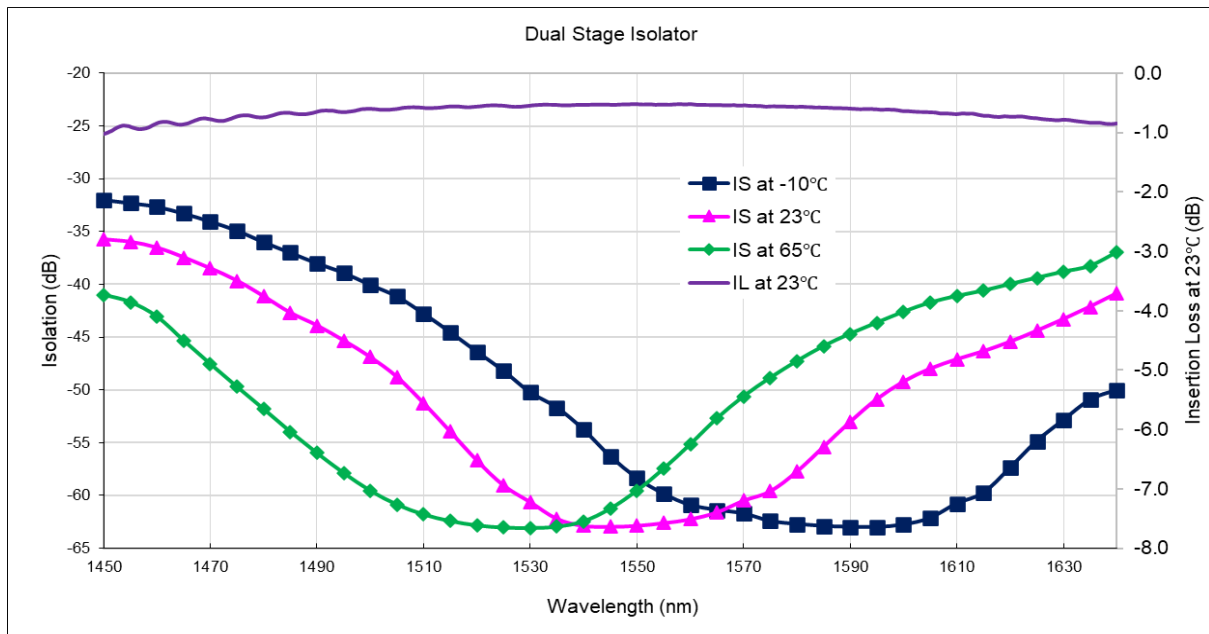
^[2] Larger size available on request

Typical Spectrum

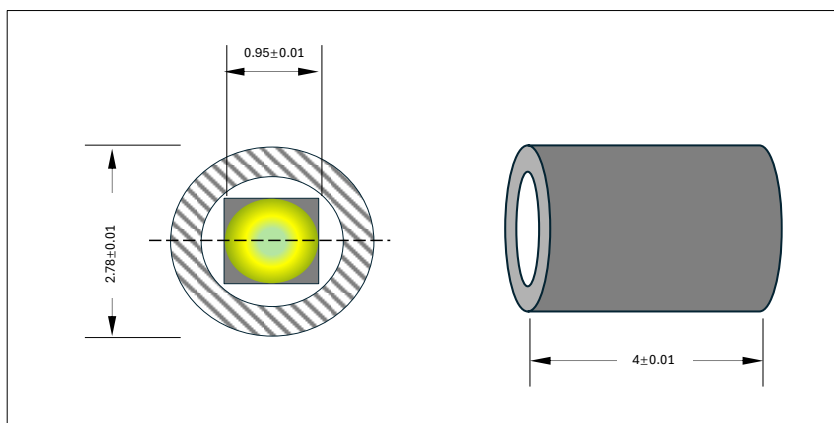


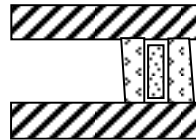


* Above spectrum has fiber collimator loss (about 0.2dB) included.

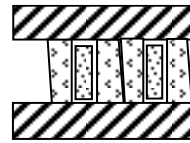


Package Information





Single Stage



Dual Stage

Ordering Information

IC- ①-②②②②-③-④④④

①	Type	S=Single Stage; D=Dual Stage;
②	Wavelength	1550; 1310; 1590; 1064;
③	Optical Path Orientation	F=Forward; B=Backward;
④	Clear Aperture	0.9=0.9mm; XX=other;