

Free Space Isolator

Features

High Isolation
 Low Insertion Loss
 Large Aperture Features

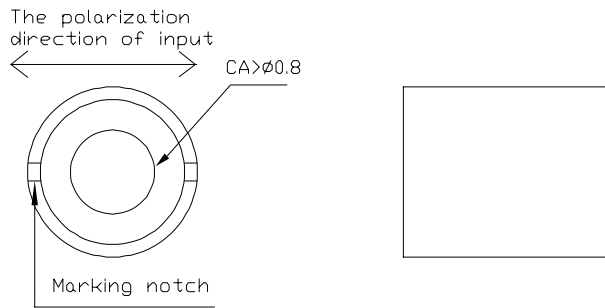
Applications

Fiber Optic Lasers
 Optical Transmitters & Transceivers
 Research

Specifications

Parameter	Unit	Values	
		Single Stage	Dual Stage
Stage			
Center Wavelength	nm	1310 or 1550	
Operating Wavelength Range	nm	±20	
Typ. Peak Isolation	dB	42	55
Min. Isolation at 23°C	dB	24	44
Typ. Insertion Loss	dB	0.2	0.3
Max. Insertion Loss	dB	0.3	0.4
Clear Aperture	mm	0.8 or Specify	
Polarization Plane of Input		As Indicated	
Tilt Angle of Input Polarization	deg	8 or Specify	
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Operating Temperature	°C	0 to +60	
Storage Temperature	°C	-40 to +85	

Package Dimensions



Single Stage: $\varnothing 2.5 \times L1.4$
 Dual Stage: $\varnothing 2.5 \times L2.1$

Ordering Information

AFSI-①①-②-③

①①: Wavelength
 31 - 1310nm
 55 - 1550nm
 SS - Specify

③: Package Size
 1 - dia2.5×L1.4mm
 2 - dia2.5×L2.1mm
 S - Specify

②: Stage
 S - Single Stage
 D - Dual Stage

