

Polarization Insensitive Isolator (ISO)

Features

Low insertion loss
High extinction ratio
High stability & Reliability

Applications

Fiber Amplifier
Fiber sensor
Fiber Laser Marking
Laboratory R&D

Parameter	Normal size						Mini size		Unit
Stage	Single		Dual		Single	Dual	Single	Dual	-
Grade	P	A	P	A	P		A	A	-
Operating wavelength	1310 or 1550 ±15				2000±50		1310 or 1550 ±15		nm
Minimum isolation@ 23℃	≥30	≥30	≥50	≥48	≥20	≥35	≥30	≥45	dB
Insertion loss typ. @ 23℃)	≤0.30	≤0.40	≤0.40	≤0.50	≤0.8	≤1.0	≤0.40	≤0.50	dB
Insertion loss max. @ (-5~70℃)	≤0.50	≤0.60	≤0.60	≤0.70	≤1.0	≤1.2	≤0.60	≤0.70	dB
PDL	≤0.05	≤0.10	≤0.10	≤0.10	≤0.15	≤0.20	≤0.10		dB
PMD	≤0.25		≤0.05		≤0.20	≤0.05	≤0.25	≤0.05	ps
Return loss(in/out)	≥60/55				≥50/50		≥55/55		dB
Power handling	≤500								mW
Fiber Type	SMF-28e XB or Specify								-
Operating temperature	-5 ~ +70								℃
Storage temperature	-40 ~ +85								℃
Dimensions	Φ5.5× L30 for bare fiber				Φ5.5× L35		Φ3.0× L25/ Φ2.5× L15		mm
	Φ5.5× L34 for 900um loose tube								

*The above specification is without connector, with connectors:0.3dB higher for IL,5dB lower for RL

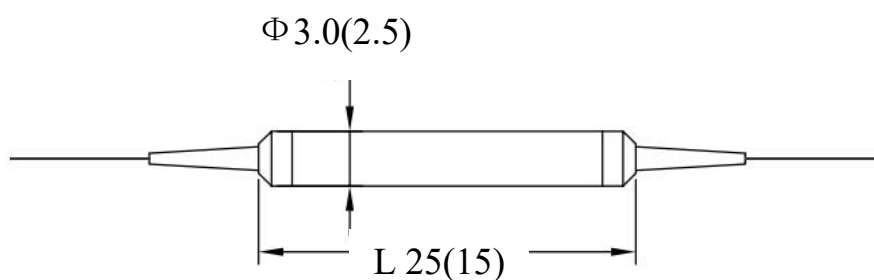
*Other specifications can be made on customer request

Mechanical Dimension



(L30 for bare fibre)
(L34 for 900um loose tube)
(L34 for normal size)

Normal Size



(Φ3.0× L25)
(Φ2.5× L15)

Mini Size

Ordering Information

specification	GCISO
Package size	2.5×15, 3.0×25, 5.5×30, 5.5×34 etc.
Input/output	connector: FC/UPC, FC/APC etc.
Fiber code	Specify
Pigtail type	0=250μm, 1=900μm
Operating wavelength	1310=1310nm, 1550=1550nm etc.
Grade	P= Perfect, A= Grade A
Type: S	Single stage, D= Dual stage