

Isolator (ISO)



Overview:

The isolator is a directional optical component used in fiber optical transponder module, EDFA, and communication system.

Features:

- * High isolation
- * Low insertion loss
- * High return loss

Applications:

- * EDFA
- * Communication systems
- * Testing instrument

Specification:

Parameter	Type	Normal Size				Mini Size	
		Single Stage		Dual Stage		Single Stage	Dual Stage
		P	A	P	A	A	A
Operating wavelength (nm)		1310±15 or 1550±15					
Peak isolation (dB)		42	40	56	53	>40	>50
Minimum isolation (dB) (room temperature)		32	30	52	50	>30	>46
Insertion loss (dB)		<0.4	<0.6	<0.6	<0.8	<0.6	<0.8
PDL (dB)		<0.05	<0.1	<0.1	<0.15	<0.1	<0.1
PMD (ps)		<0.2	<0.25	<0.05	<0.07	<0.25	<0.07
Return loss (dB)		65/60	60/55	65/60	60/55	55/55	55/55
Power handling (mW)		<500					
Operating temperature (°C)		0 ~ +70					
Storage temperature (°C)		-40 ~ +80					
Dimensions (mm)		φ5.5×L30				φ3.0×L26	

*The above specification is without connector.

*Other specifications can be made on customer request.

Ordering Information:

ISO-X-X-XXXX-X-XX/XXX

- ↳ Connector : FC/UPC, FC/APC etc.
- ↳ Pigtail Type : 0=250μm, 1=900μm
- ↳ Working Wavelength : 1310=1310, 1550=1550 or on customer's request
- ↳ Grade : P= Grade P, A=Grade A
- ↳ Type : S= Single Grade, D= Dual Grade