High Power (Non-PM or PM) Isolator

1310nm or 1550nm

Description

Isolators are directional optical component used in fiber optical module, EDFA, and communication systems.

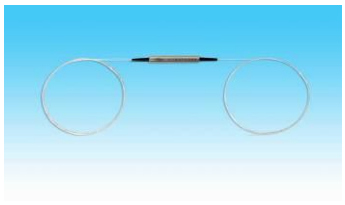
Key Features

* High isolation
* Low insertion loss
* High return loss

Applications

* EDFA
* Communication systems
* Testing instruments

Normal size for non PM fiber



Normal size for PM fiber

Higher power size

Specifications

Parameter \ Type	Unit	≤5W (PM or Non-PM isolator)		5W~10W (Non-PM isolator)	
		Single stage	Dual stage	Single stage	Dual stage
Center wavelength	nm	1310 or 1550			
Operating bandwidth	nm	± 15			
Isolation @23℃	dB	≥30	≥46	≥30	≥46
Insertion loss typical	dB	≤0.40	≤0.60	≤0.50	≤0.60
Insertion loss	dB	≤0.60	≤0.80	≤0.70	≤0.80
PDL (for Non-PM isolator)	dB	≤0.1	≤0.15	≤0.1	≤0.15
Extinction ratio (for PM isolator)	dB	≥20(Type B) ≥22(Type F)		/	/
PMD (for Non-PM isolator)	ps	≤0.25	≤0.05	≤0.25	≤0.05
Return loss	dB	≥55	≥55	≥55	≥55
Input max. power handling	W	≤5W		5W~10W	
Operating temperature	℃	-5 ~ +70			
Storage temperature	℃	-40 ~ +85			
Dimensions	mm	Φ5.5× L30(for Non-PM isolator) Φ5.5× L35(for PM isolator)		L70*W12*H8	

*The above specification is without connector.

*Other specifications can be made on customer request

*For PM fiber B type=Both axis working, F type=Fast axis blocked.

*Backward power<10% input power

* Insertion loss of light through fiber cladding is not included in the Insertion loss specification

Ordering Information

HP(M)ISO-X-X-XXXX-X-X-X-X-XX/XXX-XX*XX