

## 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 Normal Size for non pm fiber Normal Size for pm fiber Higher Power Size  
Testing instruments

### Specifications

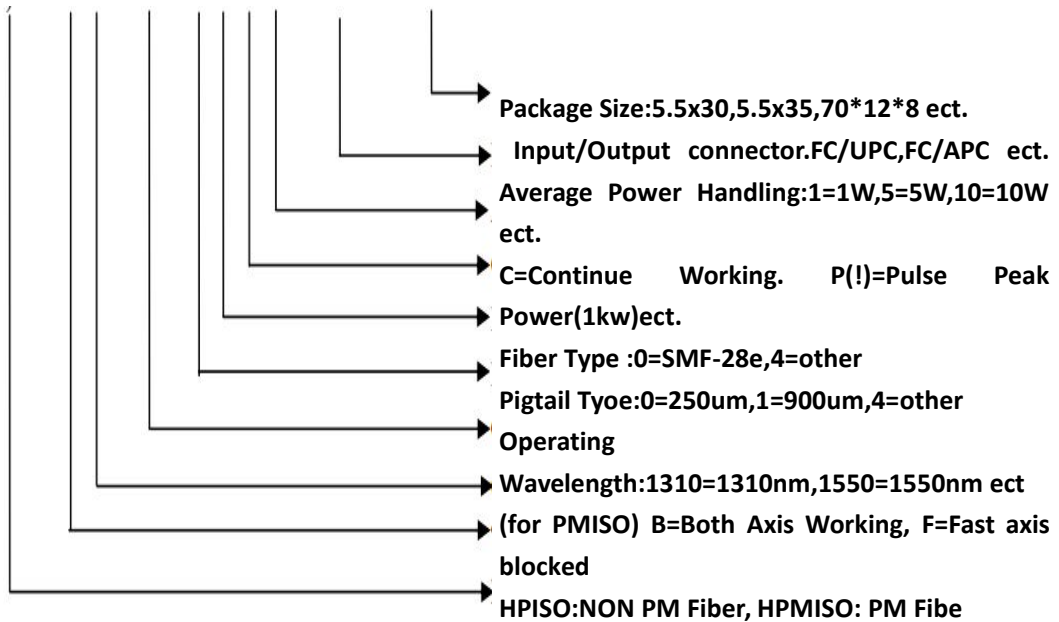
Parameter	Type	Unit	≅ 5W (PM or Non-PM Isolator)		5W-10W (Non-PM Isolator)	
			Single Stage	Dual Stage	Single Stage	Dual Stage
Center wavelength		nm	1310 or 1550			
Operating bandwidth		nm	± 15			
Isolation@23℃		dB	≅ 30	≅ 46	≅ 30	≅ 46
Insertion loss typ.		dB	≅ 0.40	≅ 0.60	≅ 0.50	≅ 0.60
Insertion loss		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			≅ 55	≅ 55	≅ 55	≅ 55
Power handling			≅ 5W		5W-10W	
Operating temperature			-5 ~ +70			
Storage temperature			-40 ~ +80			
Dimensions		mm	Φ 5.5xL30X (for Non-PM isolator) Φ 5.5xL35 (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.

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



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