

Polarization Maintaining Isolator (1064nm)

Features	
Low Insertion Loss	
High Extinction Ratio & High Isolation	
High stability and reliability	
Application	
EDFA & Fiber Optical Instrument、 Fiber Sensor 、 Fiber Laser	

Specifications

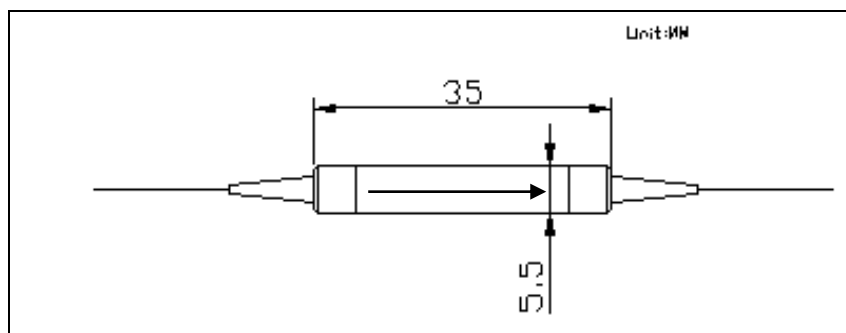
Type Parameter		Single Grade		Dual Grade	
		P	A	P	A
Operating wavelength (nm)		1064			
Peak isolation (dB)		42	38	55	52
Isolation (at 23℃) (dB)		≥35	≥32	≥45	≥42
Typ. Insertion Loss (at 23℃)		1.5	1.6	2.4	2.6
Insertion Loss (at-5 ~ +50 ℃)		≤1.8	≤2.0	≤3.2	≤3.4
Extinction Ratio (dB)	Type B(Both of axis working)	≥20	≥18	≥20	≥18
	Type F(Fast axis blocked)	≥23	≥23	≥23	≥23
Return loss (Input/Output) (dB)		≥55/50			
Power handling (mW)		≤300			
Fiber Type		PM 980 Panda fiber			
Operating temperature (℃)		-5~+50			
Storage temperature (℃)		-40 ~ +80			
Dimensions (mm)		φ5.5×L35(P1)			

*Above specifications are for devices without the connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

*The PM fiber and the connector key are aligned to the slow axis. And for F type, fast axis is blocked.

Package Dimensions



Ordering Information



CAT0205 REV01

PMIS	Wavelength	Isolator Grade	Parameter Grade	Axis Alignment	Package Dimensions	Pigtail Type	Length	Connector
PMIS	1064=1064nm	S=Single stage D=Dual Stage	P=P Grade A=A Grade	F=Fast Axis Blocked B=Both Axis Working	1=P1(ϕ 5.5×L35)	1=250um bare fiber 2=900um loose tube 3=3mm loose tube 4=2mm loose tube	H=0.5m 8=0.8m 1=1.0m 5=1.5m 2=2.0m 3=3.0m 4=4.0m A=2.5m B=5.0m	0=None 1=FC/UPC 2=FC/APC 3=LC/UPC 4=LC/APC 5=SC/APC 6=SC/UPC