# 1310, 1550nm High Power PM Isolator( 1-20W)

| Features |
|---|
| Low Insertion Loss & PDL<br>High Isolation & Return Loss<br>High reliability and High Extinction Ratio |
| Application |
| EDFA<br>Fiber Laser |

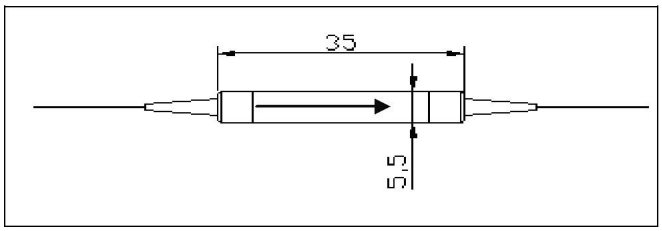
Specifications

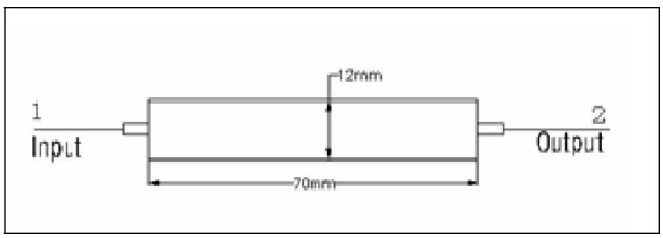
| Parameter | | Value | |
|---|---|---|---|
| Type | | Single Stage | Dual Stage |
| Center wavelength (nm) | | 1310, 1480, 1550 | |
| Bandwidth (nm) | | ±20 | |
| Peak Isolation (dB) | | 42 | 58 |
| Isolation at 23(°C) (dB) | | ≥28 | ≥48 |
| Insertion Loss at 23(°C) (dB) | | ≤0.5(Typ 0.35) | ≤0.55 (Typ 0.4) |
| Extinction Ratio at 23℃ (dB) | Type B (Both axis working) | ≥21 | ≥21 |
| | Type F (Fast axis blocked) | ≥23 | ≥23 |
| Return Loss (Input/output) (dB) | | ≥50/50 | ≥50/50 |
| Fiber Type | | PM1310, PM1550 | |
| Power Handling (CW, W) | | 1,2, 3, 5,10,20 | |
| Package Dimensions (mm) | | 5.5*35(P1),70*12(P2) | |
| Operating Temperature (°C) | | -5 ~ +70 | |
| Storage Temperature(°C) | | -40 ~ +85 | |

*Above specifications are for device without connector.

*For devices with connector,IL will be 0.3dB higher,ER will be 2dB lower and RL will be 5dB lower, and max handling power is 1W *The PM fiber and the connector key are aligned to the slow axis.

Package Dimensions




Ordering Information

| HPMIS | Wavelength | Type | Axis Alignment | Package | Power | Pigtail Type | Length | Connector |
|---|---|---|---|---|---|---|---|---|
| HPMIS | 1310=1310nm<br>1550=1550nm<br>1480=1480nm | S=Single stage<br>D=Dual Stage | B=Both axis working<br>F= Fast axis blocked | 1=P1(5.5*35 mm)<br>2=P2(70*12 mm) | 1=1W<br>2=2W<br>3=3W<br>4=4W<br>5=5W<br>A=10W<br>B=20W | 1=250um bare fiber<br>2=900um loose tube<br>3=3mm loose tube<br>4=2mm loose tube | H=0.5m<br>8= 0.8m<br>1=1.0m<br>5=1.5m<br>2=2.0m<br>3=3.0m<br>4=4.0m<br>A=2.5m | 0=None<br>1=FC/UPC<br>2=FC/APC<br>3=LC/UPC<br>4=LC/APC<br>5=SC/APC<br>6=SC/UPC |