

High Power Expanded Beam Isolator, HP(M)EI

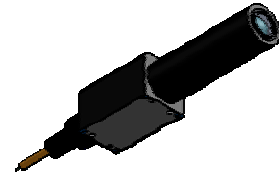
1. Description:

The High Power Isolator series products include high power isolator and high power collimator.

The high power isolator series includes in-line type, beam expanded isolator, fiber in and free space out isolator and free space isolator etc. they're characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. They are ideal for fiber laser and instrumentation applications.

2. Features:

- * High isolation and low insertion loss
- * PM and Non-PM are available
- * Excellent environmental stability and reliability
- * Fiber can be customized



HP (M) EI

3. Applications:

- * Fiber Laser
- * Fiber Sensor

4. Specifications:

Parameter	Type	High Power Expanded Beam Isolator, HP(M)EI
Operating wavelength(nm)		1064±10
Peak Isolation (dB)		35
Isolation at 23 (dB)		≥26
Insertion Loss at 23 (dB)		≤1.5
Polarization Dependent Loss (dB)		≤0.15
Extinction Ration (For PM type only) (dB)		≥20
Return Loss (Input) (dB)		≥50
Fiber type		Hi1060, x/125 SCF x/250, x/400 SCF* etc. PM corresponding fibers are available.
Armored cable		Φ0.9,Φ3mm cable, Φ6mm cable, Φ9mm cable, etc.
Output Beam		Working distance: 50mm~1000mm Beam diameter: 5mm~10mm customized.
Power handling	CW (W)	10, 20, higher on demand
	Pulse Peak (KW)	10, higher on demand
Dimensions (L×W×H)(mm)		230×40×40

Remark: *SCF=single cladding fiber.

**HPEI means high power expanded beam isolator with non-PM fiber.

***HPMEI means high power expanded beam isolator with polarization maintaining fiber.

5. Product Ordering Information:

HP(M)EI-XXXX-X-X-X-X -XX*XX*XX

