

120W High Power In-line Isolator, HP(M)IIT

Description

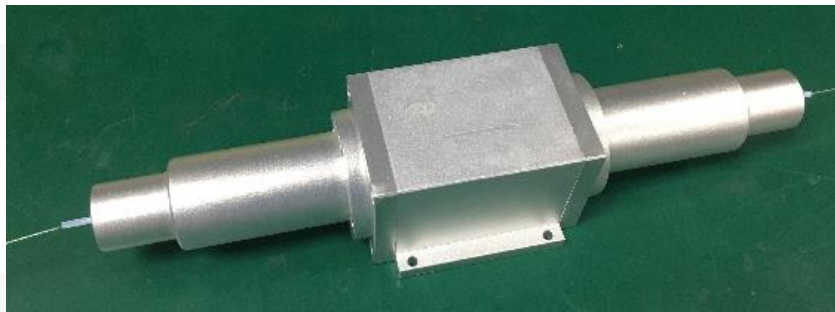
The high power isolator series includes in-line type, beam expanded isolator, fiber in and free space out isolator and free space isolator etc., They're characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. They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

Key Features

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

Applications

- * Fiber laser
- * Fiber [sensor](#)



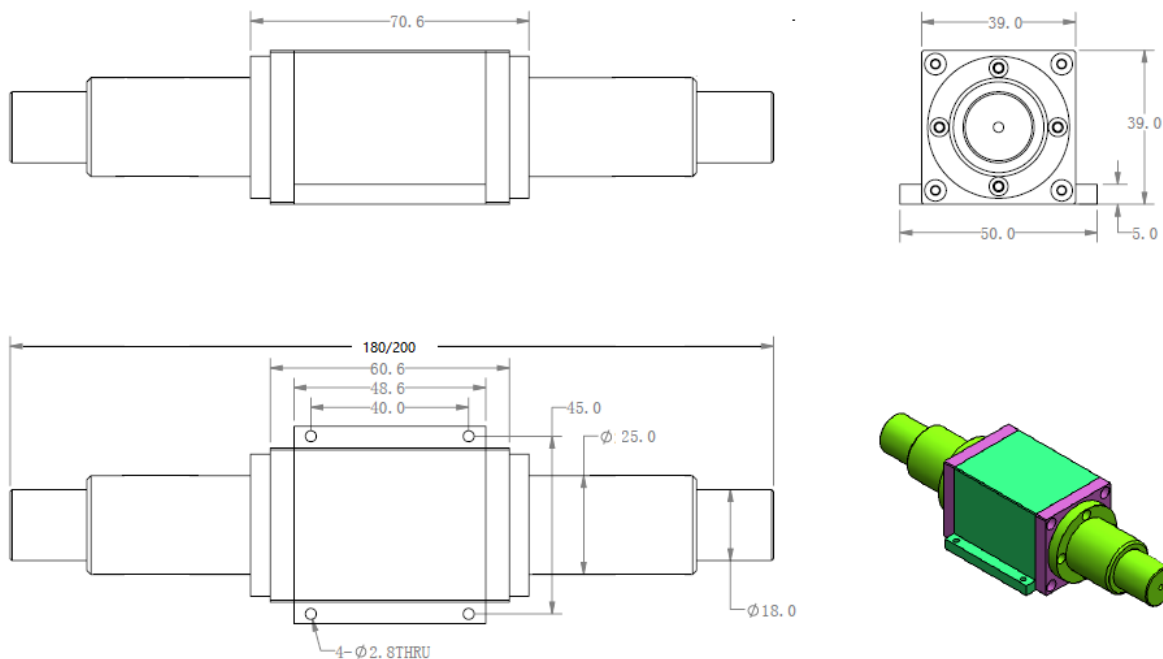
HP(M)IIT

Specifications

Parameter \ Type		High power in-line isolator, HP(M)IIT	
		Non-PM isolator	PM isolator
Operating wavelength(nm)		1064±5	
Isolation in band at 23℃(dB)		≥28	
Insertion loss at 23℃(dB)		≤1.2	
Polarization dependent loss (dB)		≤0.15	/
Extinction ratio (dB)		/	≥20dB (PM980,SM98-PS-U25) ≥18dB (PM10/125 SCF); ≥16dB (PM10/125 DCF); ≥14dB (PM20/125;PM25/250;PM30/250)
Return loss (dB)		≥50	
Fiber type (can be customized)		x/130, x/250, etc. (x=10um, 15um, 20um, 30um,etc.)	PM x/130, x/250, etc. (x=10um,15um,20um,30um,etc.)
Input max. power handling	Average (W)	50, 100, 120, higher on demand	
	Pulse peak(KW)	50, higher on demand	
Operating temperature (℃)		-5 ~ +50	
Storage temperature (℃)		-20 ~ +70	
Dimensions (Φ * L or L*W*H) (mm)		180*39*39 or 200*39*39	

- * Double cladding fiber (DCF) is safer.
- * Backward power<10% input power
- * Dimension can be made on customer request
- * Insertion loss of light through fiber cladding is not included in the Insertion loss specification.

Mechanical Dimensions (Unit: mm)



Ordering Information

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

