

High Power Expanded Beam Collimator, HP(M)EC

Description

The high power collimator is fiber in and free out with beam expanded, which are characterized with low insertion loss, high beam quality, high power handling, high return loss, excellent environmental stability and reliability. They are ideal products used for fiber laser and instruments applications.

Features

- * Low insertion loss
- * PM and Non-PM types are available
- * High beam quality
- * Fiber can be customized



HP(M)EC

Applications

- * Fiber laser
- * Fiber sensor

Specifications

Parameter	Type	High power expanded beam collimator, HP(M)EC	
		Non-PM isolator	PM isolator
Operating wavelength(nm)		1064±10	
Insertion loss at 23°C (dB)		≤0.50	
Output beam diameter (mm)		4±1; others on demand	
Extinction ratio (dB)		/	≥20
Return loss (Input) (dB)		≥50	
Fiber type (can be customized)		HI1060, x/125, x/250, etc. (x=10um, 15um, 20um, 30um,etc.)	PM980, PM x/125, x/250, etc. (x=10um,15um,20um,30um,e tc.)
Armored cable diameter		Φ3, Φ7 or Φ10.5mm	
Input max. power handling	Average (W)	10,	
	Pulse peak(KW)	10	
Operating temperature (°C)		-5 ~ +50	
Storage temperature (°C)		-20 ~ +70	
Dimensions (Φ ×L mm)		Φ 15×L96 (aluminium alloy)	

*Both single cladding fiber (SCF) and double cladding fiber (DCF) are available.

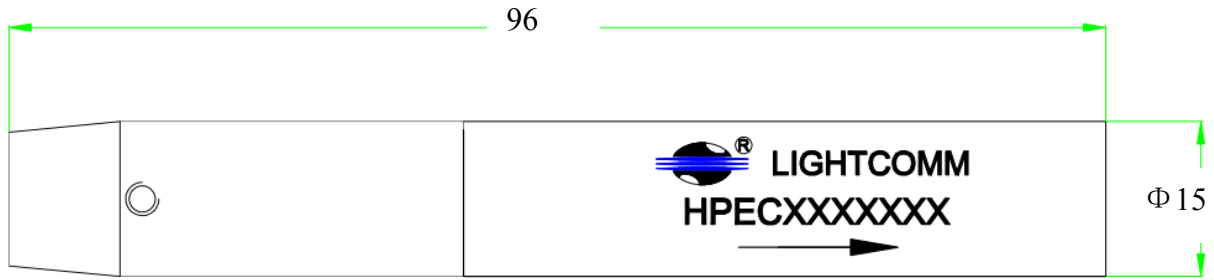
*Extinction ratio: ≥20dB (PM980), ≥20dB (PM10/125SCF), ≥18dB(PM10/125DCF; PM20/125SCF),
≥18dB (PM10/125DCF; PM20/125SCF); ≥16dB (PM20/125DCF);

*NO backward 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)EC-XXXX-X-X-X-X -XX*XX-XX-XX

