High Power Expanded Beam Isolator

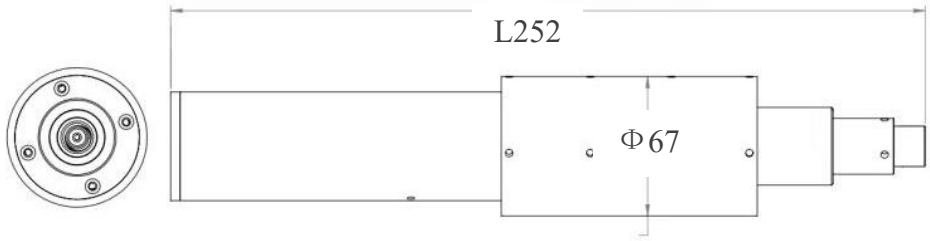
Features
Low insertion loss
High extinction ratio
High stability & Reliability

Applications
Fiber Amplifier
Fiber sensor
Fiber Laser Marking
Laboratory R&D

Parameter		High power expanded beam isolator, HPMEI PM isolator	Unit
Operating wavelength		1064±5	nm
Peak isolation		≥35	dB
Isolation in band at 23℃		≥28	dB
Insertion loss at 23℃		≤0.50	dB
Extinction ratio		≥20(fast axis blocked)	dB
Return loss (Input)		≥45	dB
Beam Divergence @Fundamental mode		≤0.50 (Full Angle)	mrad
Output Beam Ellipticity		≥90	%
Fiber type (can be customized)		PM 30/250 SCF or specify	-
Armored cable diameter		Φ13mm cable, can be customized.	-
Output beam diameter@1/e2		7±0.5; or specify	mm
Input max. power handling	Average	≤200（natural cooling）≤300（water cooling）	W
	Pulse peak	50, higher on demand	kW
Reverse Power Handling		≤20W for 0.5 hour. Max	W
Operating Temperature		-5 ~ +50	℃
Storage Temperature		-20 ~ +70	℃
Dimensions (℄×L)		℄ 67×L252	mm

* Both Single cladding fiber (SCF) and double cladding fiber (DCF) are available.
*The default fiber length is 3.6m, protective Teflon tube length is 3.1m in a 3m Φ13mm Armored cable.

Mechanical Dimension



Ordering Information

specification	GCHPMEI
All fiber length	Specify
Armored cable length	specify
Package size	℄67×L252mm
Average power handling	200W, 300W etc
Power condition	C=Continue Wave, P(10)=Pulse Peak Power(10KW),etc
Fiber type	Fiber code
Armored cable diameter	13mm, etc
Operating wavelength	1064nm etc