



1064nm High Power Polarization Insensitive Collimated Beam Isolator-D143

Features

- High Isolation & High Power Handling
- Low Polarization Dependent Loss
- Low Insertion Loss & High Return Loss
- Excellent Environmental Stability and Reliability

Applications

- Fiber Amplifier
- Fiber Laser
- Instrumentation Applications
- Lab Research

Specifications

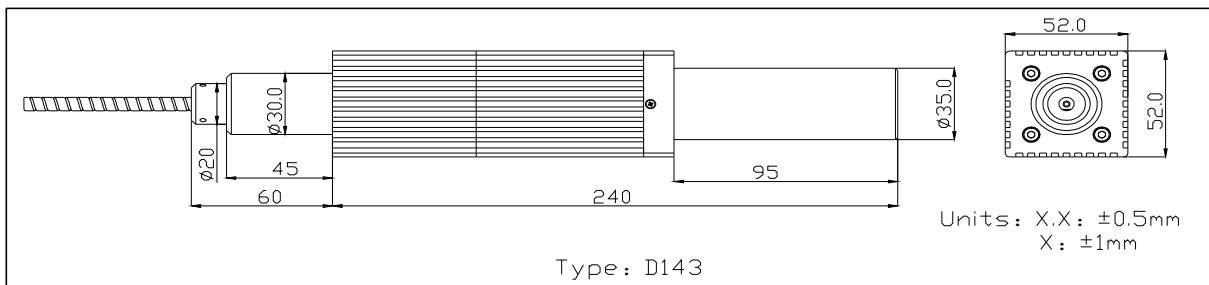
Parameters	Unit	Values
Center Wavelength (λ_c)	nm	1064
Operating Wavelength Range	nm	± 5
Typ. Peak Isolation@23°C	dB	30~35
Min. Isolation @ 23°C	dB	28
Min. Transmission @ 1064nm	-	92%
Min. Transmission @ 635nm	-	15%
Min. Return Loss	dB	50
Output Beam Diameter ($1/e^2$)@0~1m WD	mm	5 \pm 0.5, 6 \pm 0.5, 7 \pm 0.5 or Specify
Nominal M ² Degradation	%	<10
Nominal Focal Shift of Thermal Lens	mm	≤ 2.0
Ellipticity	%	>90
Max. Optical Average Power	W	100, 150, 200 or Specify
Peak Power on ns pulse	KW	10, 20 or Specify
Fiber Type	-	Nufern LMA-GDF-30/250-M, NA0.06 Fiber or LMA Fiber
Cable Tensile Load	N	5
Operating Temperature	°C	-5 to +50
Storage Temperature	°C	-20 to +75

*For pulse applications, pls discuss with Optizone Technology.

*The dimensions of beam expanders are dependent on the required beam diameter,detailed informations pls contact Optizone or see the shipment data sheet.

*The material must be RoHS compliant.

Package Dimensions



Ordering Information

HPICI-①①①①-②②②-③③③-④④-⑤-⑥

①①①①: Wavelength

0663 - 1064&635nm

SS - Specify

③③③: Handling Power

100 - 100W

150 - 150W

200 - 200W

SS - Specify

⑤: Fiber Jacket

B - 6mm Armoured Cable

3 - 7mm Armoured Cable

10 - 10mm Armoured Cable

S - Specify

②②②: Package Type

D143 - Type D143

④④: Output Beam Diameter

50 - 5mm

60 - 6mm

70 - 7mm

SS - Specify

⑥: Fiber Length

1.0 - 1.0m

S - Specify