

**Optizone 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**

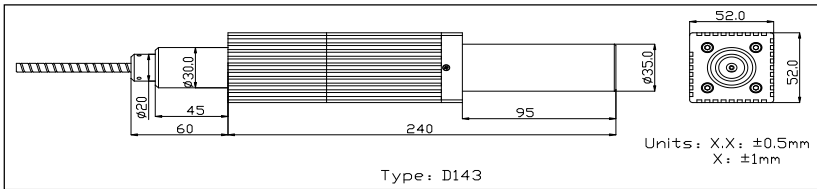
Parameters	Unit	Values
Center Wavelength (λc)	nm	1064
Operating Wavelength Range	nm	±5
Typ. Peak Isolation@23°C	dB	30~35
Min. Isolation @ 23°C	dB	28
Min. Transmission @ 1064nm	-	92%
Min. Transmission @ 635nm	-	15%
Min. Return Loss	dB	50
Output Beam Diameter (1/e <sup>2</sup> )@0~1m WD	mm	5±0.5, 6±0.5, 7±0.5 or Specify
Nominal M <sup>2</sup> 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
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**

**HPICL-①①①①-②②②-③③③-④④-⑤-⑥**

①①①①: Wavelength  
 0663 - 1064&635nm  
 SS - Specify

④④: Output Beam Diameter  
 50 - 5mm  
 60 - 6mm  
 70 - 7mm  
 SS - Specify

⑥: Fiber Length  
 1.0 - 1.0m  
 S - Specify

②②②: Package Type  
 D143 - Type D143

③③③: Handling Power  
 100 - 100W  
 150 - 150W  
 200 - 200W  
 SS - Specify

⑤: Fiber Jacket  
 6 - 6mm Armoured Cable  
 S - Specify

⑦: Fiber Type  
 66 - Nufem LMA-GDF-30/250-M, NAO.06  
 S - Specify