

Optizone 1064nm High Power Polarization Insensitive Collimated Beam Isolator-D157

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

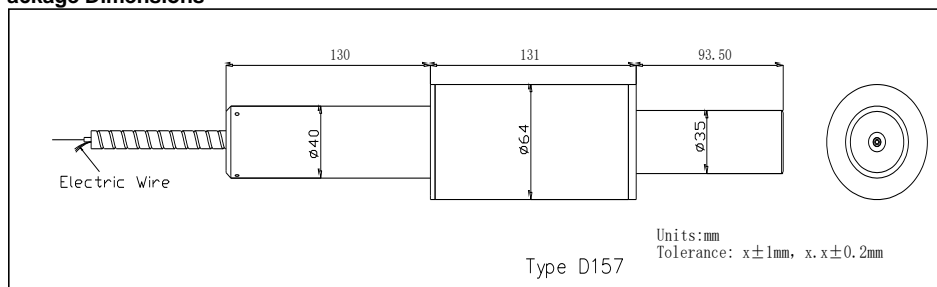
Parameters	Unit	Values
Center Wavelength (λ_c)	nm	1064
Operating Wavelength Range	nm	± 5
Typ. Peak Isolation @23°C	dB	30~35
Min. Isolation @ 23°C	dB	30
Min. Transmission @ 1064nm	-	90%
Min. Transmission @ 635nm	-	15%
Min. Return Loss	dB	50
Output Beam Diameter ($1/e^2$)@0~1m WD	mm	5 \pm 0.5, 6 \pm 0.5, 7 \pm 0.5 or Specify
Ellipticity	%	>90
Nominal M^2 Degradation	%	<10
Max. Optical Average Power	W	350, 500 or Specify
Nominal Focal Shift of Thermal Lens	mm	≤ 3.0
Peak Power on ns pulse	KW	20, 50 or Specify
Pulse Energy	mJ	2
Cable Tensile Load	N	5
Operating Temperature	°C	10 to +50
Storage Temperature	°C	-10 to +70

*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-①①①①-②②②-③③③-④④-⑤-⑥-⑦

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
D157 - Type D157

③③③: Handling Power
350 - 350W
500 - 500W
SS - Specify

⑤: Fiber Jacket
6 - 6mm Armoured Cable
7 - 7mm Armoured Cable
10 - 10mm Armoured Cable
S - Specify

⑦:Fiber Type
66 - Nufern LMA-GDF-30/250-M, NA0.06 Fiber
S - Specify