

Spec Review No.: SR2106045A

Date: Jun. 28,2021

Customer:

Customer P/N:

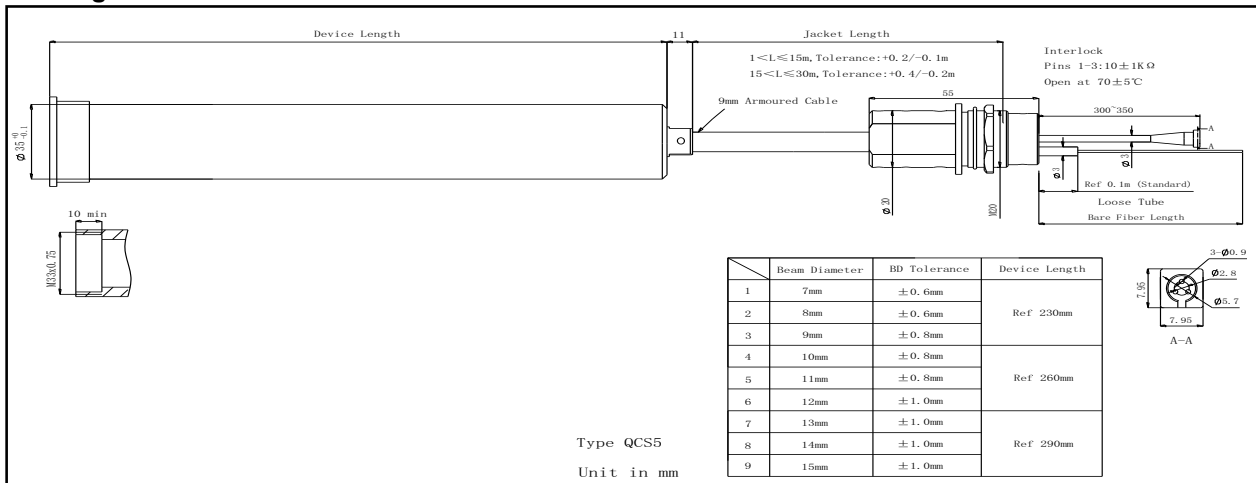
Description: Large Beam Collimator, 635/1064nr

Optizone P/N: LBC-63/06-120-G-450-53-05-1.5-QCS5-

## Specifications

Parameters	Unit	Values
Operating Wavelength	nm	1064
Operating Wavelength Range	nm	±20
Nominal Beam Diameter(@1/e <sup>2</sup> , M <sup>2</sup> <1.1)	mm	12.0±1.0@ over 5~1000mm from Output Surface
Typ. Transmission(Inner Core)	-	98 %
Min. Transmission(Inner Core)	-	97 %
Min. Transmission Ratio@635nm	-	70%(Based on Reference w/o AR Coating)
Min. Return Loss	dB	50
Max. Optical Power (CW)	W	450 or Specify
Loss Power Handling Capability	-	Max. 10W Continuously
Nominal Beam Pointing Accuracy	deg	0,5
Max Beam Divergence Angle (Full Angle)	mrad	0,3
Max. Beam Centrality	mm	0.4(Test by CCD & Aperture slot)
Min. Beam Ellipticity	-	0,92
Max. Tensile Load	N	5
Outer Package Material	-	Stainless Steel / Aluminum
Operating Temperature	°C	5 to +40
Storage Temperature	°C	-40 to +85

## Package Dimensions



\*The actual dimensions may be different from above drawing due to different requirements, please see shipment data sheet.

\*Thermistor is embedded & the wire integrated in armoured cable.

\*The material must be RoHS compliant.

## Ordering Information

**LBC-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦-⑧⑧⑧⑧-⑨⑨**

①①: Wavelength

63/06 - 635/1064nm

SS - Specify

④④: Handling Power

450 - 450W

S - Specify

⑦⑦: Bare Fiber Length

1.5 - 1.5m

SS - Specify

②②: Beam Diameter

120 - 12.0mm

SS - Specify

⑤⑤: Fiber Type

53 - Nufern LMA-GDF-14/250-HP-M, NA0.07

SS - Specify

⑧⑧⑧⑧: Body Type

QCS5 - Φ35

③③: Fiber Jacket

G - 9mm Armoured Cable

S - Specify

⑥⑥: Jacket Length

05 - 5.0m

SS - Specify

⑨⑨: Cladding Power

Y - Yes

N - No