

Spec Review No.: SR2005015A  
 Customer:  
 Description: Large Beam Collimator

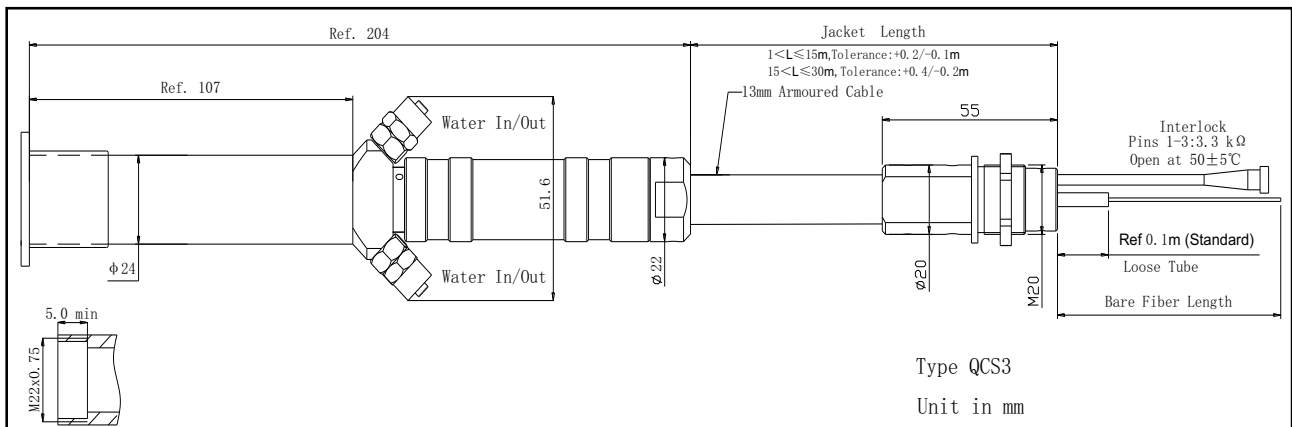
Date: May 20, 2020  
 Customer P/N:  
 Optizone P/N: LBC-06-55-H-500-28-05-02-QCS3-1

## Specifications

Parameters	Unit	Values
Operating Wavelength	nm	1064
Operating Wavelength Range	nm	±20
Nominal Beam Diameter(@1/e <sup>2</sup> , system output NA is 0.08)	mm	5.5±1.0@ over 5~20mm from Output Surface
Typ. Transmission	-	98 %
Min. Transmission	-	96 %
Min. Return Loss	dB	50
Max. Optical Power (CW)	W	200、500 or Specify
Nominal Beam Pointing Accuracy	deg	0,5
Max. Beam Divergence Angle (Full Angle, system output NA is 0.08 )	mrad	20
Min. Beam Ellipticity	-	0,92
Max. Tensile Load	N	5
Outer Package Material	-	Stainless Steel / Aluminum / Copper
Operating Temperature	°C	5 to +40
Storage Temperature	°C	-40 to +85

\*The material must be RoHS compliant.

## 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.

## Ordering Information

**LBC-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦-⑧⑧⑧⑧-⑨⑨**

①①: Wavelength

06 - 1064nm

SS - Specify

④④: Handling Power

500 - 500W

S - Specify

⑦⑦: Bare Fiber Length

02 - 2.0m

SS - Specify

②②: Beam Diameter

55 - 5.5mm

SS - Specify

⑤⑤: Fiber Type

28 -Nufern BD-S200/220/360-STN NA0.22

SS - Specify

⑧⑧⑧⑧: Body Type

QCS3 - φ24

③③: Fiber Jacket

H - 13mm Armoured Cable

S - Specify

⑥⑥: Jacket Length

05 - 5.0m

SS - Specify

⑨⑨: Cooling Type

1 - Water Cooling