

Spec Review No.: SR2101013A

Date: Jan. 27, 2021

Customer:

Customer P/N:

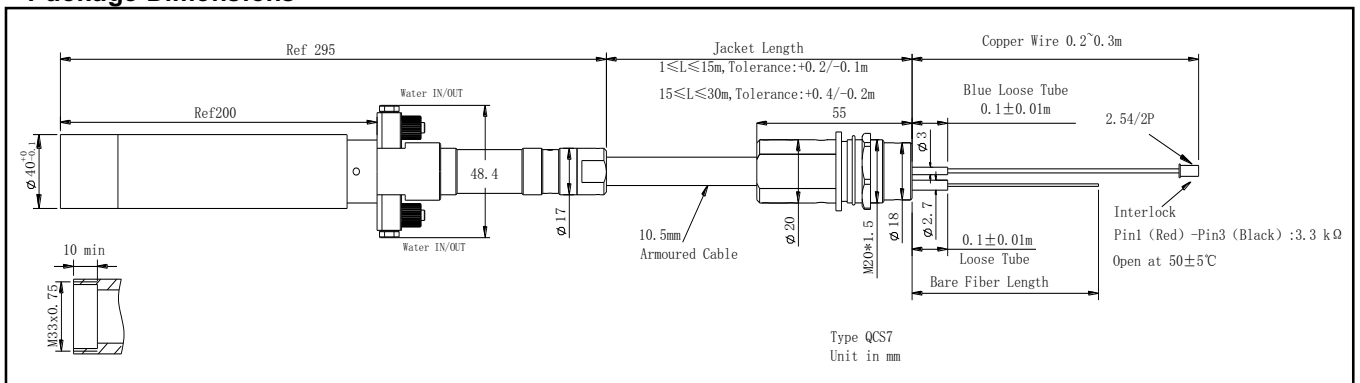
Description: Large Beam Collimator, 1064nm

Optizone P/N: LBC-06-120-M-1000-40-05-1.5-QCS7-Y-N

Specifications

Parameters	Unit	Values
Operating Wavelength	nm	1064
Operating Wavelength Range	nm	±20
Nominal Beam Diameter(@ $1/e^2, M^2 < 1.1$)	mm	12.0±1@ over 5~1000mm from Output Surface
Typ. Transmission	-	98 %
Min. Transmission	-	97 %
Min. Return Loss	dB	50
Max. Optical Power (CW)	W	1000 or Specify
Loss Power Handling Capability	-	500W Continuously
Nominal Beam Pointing Accuracy	deg	0,5
Max. Beam Divergence Angle (Full Angle)	mrad	0,3
Max. Beam Centrality	mm	0,8
Min. Beam Ellipticity	-	0,92
Max. Tensile Load	N	5
Max Water Pressure	Bar	8
Flow of Water	L/min	1.5-3
Outer Package Material	-	Stainless Steel / Aluminum / Copper
Operating Temperature	°C	+10 to +50
Storage Temperature	°C	-10 to +75

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-①①-②②-③④-⑤⑤-⑥⑥-⑦⑦-⑧⑧⑧⑧-⑨⑩⑩

①①: Wavelength

06 - 1064nm

SS - Specify

②②: Beam Diameter

120 - 12.0mm

SS - Specify

③: Fiber Jacket

M - 10.5mm Armoured Cable

S - Specify

④: Handling Power

1000 - 1000W

S - Specify

⑤⑤: Fiber Type

40 - Liekki Passive 14/250 DC NA0.07

SS - Specify

⑥⑥: Jacket Length

05 - 5m

SS - Specify

⑦⑦: Bare Fiber Length

1.5 - 1.5m

SS - Specify

⑧⑧⑧⑧: Body Type

QCS7 - φ40

⑨: Cladding Power Stripping

Y - Yes

⑩⑩: Water Pipe Length

0.3 - 0.3*2m

10 - 10*2m

NN - No Need

SS - Specify