

Frequad-C (FQC-20 / FQC-10)

Optical Specifications

Item	Specification	Remarks
Output Power	20 mW / 10 mW	FQC-20 / FQC-10
Power Stability	<±1 %	8 hours period with APC mode
Wavelength	266.150±0.15 nm	
Wavelength Stability	<±0.05 pm/h	<±1 °C
Linewidth	<0.005 pm	
Extinction Ratio	>100:1	
Polarization	Horizontal	
M2	<1.3	
RIN Noise	<-105 dB/Hz	100 kHz to 2 MHz
Beam Diameter	0.8±0.2 mm	
Beam Divergence	<0.4 mrad	1/e ²
Transverse Mode	TEM00	
Warming Up Time	<2 hours	

General Specifications

Item	Specification	Remarks
Operating Temperature	20 to 25 °C	
Operating Humidity	20 to 70 %	
Operating Altitude	0 to 2000 m	
Storage Temperature	10 to 35 °C	
Storage Humidity	0 to 50 %	
Shipping Temperature	-10 to 50 °C	
Shipping Humidity	0 to 80 %	
Cleanliness	Class 10,000 or less	
Purge Air	Clean Dry Air, 0.4 to 0.8 NI/min	
Allowed External Vibration	9.8 Gal (0.01G)	40 Hz or less
Cooling	Air cooling	

Power Supply Specifications

Item	Specification	Remarks
AC Input Voltage	100 to 240 VAC	Rated
	85 to 265 VAC	Allowed range
AC Frequency	50/60 Hz	Rated
	47 to 63 Hz	Allowed range
Power Consumption	<70 W	

Dimensions

Item	Dimension	Weight
Power Supply Unit	349(W) x 313(D) x 129(H) mm	10 kg
Laser Head Unit	153(W) x 202(D) x 79(H) mm	4 kg