

Frequad (FQ1200B / FQ1100B)

Optical Specifications

Item	Specification	Remarks
Output Power	200 mW / 100 mW	FQ1200B / FQ1100B
Power Stability	<±3 %/h	
Wavelength	266.025±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	
Pollution degree	±5° relative to horizontal	
Installation Category	II	EN61010-1

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	<260 W	

Dimensions

Item	Dimension	Weight
Power Supply Unit	400(W) x 300(D) x 150(H) mm	10 kg
Laser Head Unit	480(W) x 419(D) x 165(H) mm	25 kg
Remote Control Unit	280(W) x 55(D) x 71(H) mm	1 kg